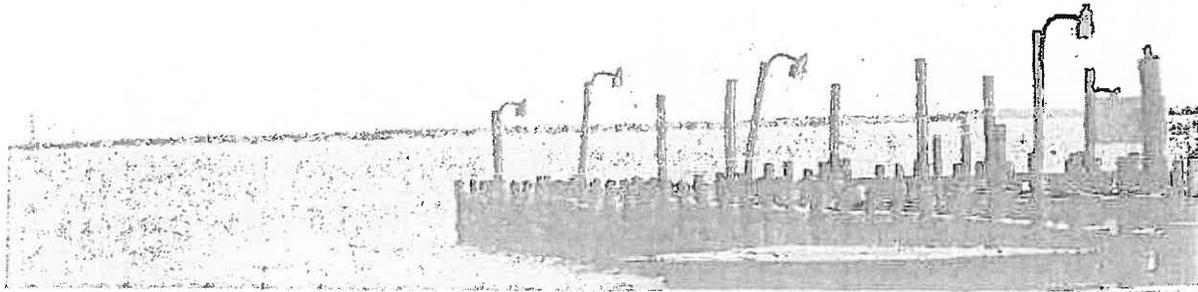


**THE TOWNSHIP OF OCEAN
OCEAN COUNTY
NEW JERSEY**



**NJDPES MUNICIPAL STORMWATER REGULATION PROGRAM
STORMWATER POLLUTION PREVENTION PLAN**

**N.J.A.C. 7:14A-1-16; N.J.A.C. 7:14A-24; N.J.A.C. 7:14A-25
NJDPES GENERAL PERMIT # NJG0150860**

PROGRAM INTEREST ID # 207315

Effective Date of Permit Authorization: April 1, 2004

PREPARED FOR:



PREPARED BY:



Date: March 21, 2005

REV 03

**UPDATED BY:
T&M ASSOCIATES, INC.
JUNE 25, 2020**

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LIST OF FORMS

<u>Form Number</u>	<u>Description</u>
1	Stormwater Pollution Prevention Team Members
2	Public Notice
3	New Development and Redevelopment Program
4	Local Public Education Program Local Public Education Log
5	Storm Drain Inlet Labeling Storm Drain Labeling Log
6	MS4 Outfall Pipe Mapping Township Outfall Maps Outfall Inspection Log
7	Illicit Connection Elimination Program Illicit Connection and Closeout Forms
8	Illicit Connection Records
9	Yard Waste Ordinance/Collection Program
10	Ordinances
11	Storm Drain Inlet Retrofitting
12	Street Sweeping and Road Erosion Control Maintenance Street Sweeping Log Road Erosion Control Log
13	Stormwater Facility Maintenance Catch Basin Inspection Log Stormwater Facility Maintenance Log
14	Outfall Pipe Stream Scouring Remediation Scouring Maintenance Log
15	De-icing Material Storage
16	Standard Operating Procedures Source Material Inventory
17	Employee Training Employee Training Logs

LIST OF ATTACHMENTS

Attachment I
Attachment II
Attachment III

Tier A Stormwater Permit (NJ0141852)
Annual Report and Certification
Ocean Township Storm System Mapping

1.0 INTRODUCTION

In response to an estimate that up to 60% of our existing water pollution problems are attributable to stormwater (nonpoint source) pollution, the United States Environmental Protection Agency published the Phase II Stormwater Rules in December of 1999, which implemented Section 402(p)(6) of the Federal Clean Water Act. In response to the Federal Rule, the New Jersey Department of Environmental Protection (NJDEP) developed the Municipal Stormwater Regulation Program (MSRP) to address the pollutants entering our waters from storm drainage systems owned or operated by local, State, interstate or Federal government agencies, referred to as "municipal separate storm sewer systems" (MS4s).

In order to facilitate the implementation of the MSRP, the NJDEP adopted amendments to the New Jersey Pollutant Discharge Elimination System (NJPDES) Rules. These revised stormwater rules were signed into law on January 5, 2004.

The Municipal Stormwater Regulation Program regulates all 566 municipalities within the State of New Jersey. In addition, NJPDES permits are required for public complexes and highway systems. Under the program, municipalities are assigned to either Tier A or Tier B.

Under the newly implemented Stormwater Permitting Program, Ocean Township is designated as a Tier A municipality. Tier A municipalities are generally located within the more densely populated regions of the state, near the coast, or other environmentally sensitive area.

2.0 BACKGROUND

2.1 OCEAN TOWNSHIP

Ocean Township is located in central to southern Ocean County and is a total of 21 square miles. Ocean Township is bordered by Barnegat Bay on the east side. Oyster Creek (Lacey Township) by the north and Barnegat Township to the South.

2.2 PERMIT APPLICATION

Under New Jersey's NJPDES Stormwater/UIC rules (N.J.A.C. 7:14A-25.4 and 25.8(b)) a general permit application packet (including a Request for Authorization (RFA) form) was mailed by the Department to all the affected parties. The deadline to apply was March 3, 2004. The permit is a five (5) year permit, which is automatically renewed. NJDEP will also charge an annual permit fee, based upon population, for permit maintenance.

The permits address stormwater quality related issues to new and existing development and redevelopment by requiring the preparation of a stormwater program and implementation of specific permit requirements referred to as Statewide Basic Requirements (SBRs).

The effective date of permit authorization (EDPA) for the municipality's general stormwater permit is April 1, 2004. Implementation schedules will correspond with the EDPA for each of the Statewide Basic Requirements (SBRs) addressed in the Tier A General Stormwater Permit. This permit is presented in Attachment I.

2.3 STORMWATER POLLUTION PREVENTION PLAN (SPPP)

The permit requires the completion of a Stormwater Pollution Prevention Plan (SPPP) twelve (12) months from the EDPA. The SPPP is a prescriptive plan that describes in detail the permittee's implementation of the SBRs in accordance with the specific permit requirements. Annually, the NJDEP will conduct compliance and enforcement audits at which time the SPPP will be reviewed for consistency with the permit requirements.

The SPPP will identify the person(s) responsible for implementing or coordinating the SPPP activities, which will be included on Form A. This plan will include an implementation schedule consistent with SBRs, including interim milestones, as well as maintenance and inspection schedules where applicable. In instance of shared operations, including, but not limited to, street sweeping and catch basin cleaning requirements, written agreements will be attached. Maps and diagrams referenced in the SPPP are included where appropriate.

2.4 STATEWIDE BASIC REQUIREMENTS AND IMPLEMENTATION SCHEDULE

The following information describes in summary the SBRs detailed under the Tier A General Stormwater Permit as well as the corresponding schedule for the implementation of those requirements. A summarized version of the implementation schedule is presented in Table 1.0.

2.4.1 Post-Construction Stormwater Management in New Development and Redevelopment

The Post-Construction Stormwater Management SBR addresses compliance with the Watershed Management Rules (N.J.A.C. 7:8) for development and redevelopment projects that disturb one acre or more, including projects that are less than one acre that are part of a larger common plan of development or sale, that discharge into the municipality's small municipal separate storm sewer system (MS4), and requires compliance with the new design standards for storm drain inlets. These items must be addressed twelve (12) months from the EDPA.

In addition, this SBR also requires that the permittee ensures the long term operation and maintenance of the Best Management Practices (BMPs) installed in accordance with the requirements of N.J.A.C. 7:8 for stormwater management immediately upon the EDPA.

The following items, required under this SBR, are addressed in Appendix C:

- ❖ Adoption of Stormwater Management
- ❖ Adoption of Stormwater Control Ordinance
- ❖ Compliance with Residential Site Improvement Standards
- ❖ Compliance with Storm Drain Inlets Design Standards
- ❖ Implementation of Best Management Practices (BMP)

2.4.2 Local Public Education

The Local Public Education SBR requires permittees to distribute a nonpoint source educational brochure, provided by the NJDEP, to all residents and business owners within the municipality starting 12 months from the EDPA. In addition, the brochure, and other optional educational material, must be made available at an annual event, also beginning 12 months from the EDPA. A copy of this brochure is presented after Form 4. Additional requirements in the form of the labeling of municipal storm drain inlets next to sidewalks, or within plazas, parking areas or maintenance yards, is required to be completed within 60 months of the EDPA, with 50% completed within 36 months of the EDPA.

The following items, required under this SBR, are outlined on Forms 4 and 5:

- ❖ Annual Mailing – NJDEP “Solutions to Stormwater Pollution” Brochure must be distributed annually to all residents and business within the municipality. The NJDEP brochure is presented after Form 4.
- ❖ Annual Event – The municipality must hold an annual event at which the required mailing must be available. It is recommended that the municipality provide additional optional education materials to strengthen their local public education program.
- ❖ Storm Drain Labeling – Municipalities may want to consider using volunteer efforts to complete the storm drain labeling requirements of this program. The Storm Drain Labeling Guidelines for New Jersey are presented after Form 5.

Optional educational materials may be found in on the New Jersey Stormwater website at www.NJStormwater.org:

2.4.3 Improper Waste Disposal

The Improper Waste Disposal SBR requires permittees to adopt and enforce ordinances controlling the improper disposal of waste material (i.e. waste automotive fluids, household chemicals, etc.), pet waste, litter, yard waste, and prohibiting of wildlife feeding 18 months from the EDPA. Municipalities should distribute the NJDEP pet waste information sheet, presented after Form 4, with pet licenses, as a mechanism for public outreach and awareness.

Within the same 18 month timeframe, permittees must also develop and enforce an illicit connection identification program, which includes the enforcement of an ordinance prohibiting unauthorized connections to the MS4. Dry weather flow inspections must be completed initially for each outfall and follow up investigations must be completed in the event of a complaint or identification of dry weather flow during routine maintenance.

The last of the requirements under this SBR includes the mapping of all MS4 outfalls owned or operated by the municipality on a tax map or equivalent drawing. This also includes the application of an alphanumeric identification number for each permitted outfall and the identification of the receiving water body. The regulations require the municipality to be divided into two sectors with the first sector mapped 36 months from the EDPA and the second 60 months from the EDPA. Illicit connection inspections described above, and outfall scouring inspections described below, should also be completed concurrent with outfall mapping.

The following items are required under this SBR:

- ❖ Adopting and Enforcing Ordinances – Referenced on Form 10, the six ordinances outlined above were to be adopted and enforced by October 1, 2005.
- ❖ Development of Illicit Connection Identification Program – Municipalities must develop, implement and enforce an illicit connection elimination program to detect and eliminate illicit connections into the municipality's small MS4. The program, described on Form 7, must include the initial physical inspection of all municipally owned outfalls.
- ❖ Maintain Illicit Connection Records – Municipalities must record outfall inspections on the NJDEP Illicit Connection Inspection Report Form presented after Form 7. The Closeout Investigation Form, also presented after Form 7, is only to be submitted to the NJDEP once the appropriate amount of investigation has been completed. A summary of these inspections/investigation is required on Form 8.
- ❖ Outfall Mapping – A copy of the Township's storm sewer system maps are included as an attachment to this SPPP.

2.4.4 Solids and Floatable Control

The following items are required under this SBR:

- ❖ Street Sweeping – Under the solid and floatable control SBR, municipalities are required to sweep all municipally owned and operated curbed streets with storm drains that have a posted speed limit of 35 miles per hour or less (excludes on/off ramps), located in predominantly commercialized areas, at least once per month. Exclusions from this requirement only occur if weather does not permit the completion of sweeping activities. These activities must commence twelve (12) months from the EDPA. This requirement is addressed in on Form 12.
- ❖ Storm Drain Inlet Retrofitting – Permittees must retrofit existing storm drain inlets, that are impacted during road repair or resurfacing projects, with inlets that comply with the new design standards and the Residential Site Improvement Standards for bicycle safe grates. These new designs must be included in any project that was designed or awarded subsequent to March 3, 2004. Certain flood prone areas can be exempted from this requirement with a Professional Engineers Certification. This requirement is addressed on Form 11.

- ❖ Stormwater Facility Maintenance – In addition to the above, the municipality must also develop a maintenance program for all stormwater facilities operated by the municipality that includes the annual cleaning of all catch basins and ensures the proper function of stormwater systems. This requirement must commence 12 months from the EDPA. If the municipality is unable to comply with this schedule, both justification and an alternative schedule must be included in the SPPP. Documentation of inspections, cleaning and repairs must be kept as part of the SPPP. This requirement is addressed on Form 13.
- ❖ Road Erosion Control Maintenance – The municipality must develop a Road Erosion Control Maintenance Program to identify and repair erosion along municipally owned roadways. The dates of all inspection and repairs must be documented in the plan. This must start 18 months from the EDPA. This requirement is addressed on Form 12.
- ❖ Outfall Pipe Stream Scouring Remediation – An Outfall Pipe Stream Scouring Remediation Program must be developed by the municipality to detect, remediate, and maintain stream bank scouring in the vicinity of outfalls. The municipality must document all inspections, repairs, and must implement this within 18 months of the EDPA. This requirement is addressed on Form 14.

2.4.5 Maintenance Yard Operations

The following items are required under this SBR:

- ❖ Source Material Inventory – The permittee must perform an inventory of all materials and machinery stored at maintenance facilities, or activities conducted that could be a source of pollutants in stormwater runoff from the site. A list of the source materials and BMPs being implemented to reduce pollutant runoff from these locations must be incorporated into the SPPP. This must be completed within 12 months of the EDPA. An inventory of source material has been completed and presented on Form 16.
- ❖ De-icing Material Storage – Permittees are required to permanently cover all deicing material using a permanent building or other enclosure which contains an impervious floor. Regular maintenance of the structure and inspections must also be completed. Seasonal tarping (October 15 through April 30) can be used as an interim compliance method, but must be ceased 36 months from the EDPA. Clean sand may be stored outside and uncovered if a 50-foot set back from a water body or stormwater collection system is maintained. The municipality's de-icing material storage practices are outlined on Form 15.
- ❖ Implementation of Standard Operating Procedures (SOPs) – Municipalities must develop and implement a Standard Operating Procedure (SOP) for vehicle fueling and bulk deliveries associated with fuel dispensing systems owned by the municipality. This includes requirements to prevent spills during fueling and bulk deliveries, and includes the protection of storm drain inlets to prevent the impact to surface water in the event a spill should occur. These requirements must be implemented 12 months from the EDPA.

Within 12 months of the EDPA, the permittee must develop and implement an SOP that addresses vehicle maintenance and repairs, and reduces their impact on stormwater quality. The SOP must include performance of these activities indoors when practical and on an impervious surface. Outdoor repairs must incorporate drip pans and rain shields for repairs that exceed one day. The SOP must include the inspection of all areas and vehicles.

Permittees must implement good housekeeping procedures in accordance with the permit requirements within 12 months of the EDPA. These requirements include proper labeling of all containers, maintenance, and covering. If indoor storage is not practical, containers may be stored outside, covered, and on spill platforms. Inspections for spills must be conducted regularly and cleanup must be conducted immediately upon identification.

SOPs to be implemented at all municipal maintenance yards, where applicable, are outlined on Form 16.

2.4.6 Employee Training

The following item, required under this SBR, is outlined on Form 17:

- ❖ Municipalities must train all appropriate employees annually beginning 12 months from the EDPA. Employees must be trained on appropriate topics and trainings must be documented.

TABLE 1.0 – MSRP IMPLEMENTATION SCHEDULE

DATE OF COMPLETION	TASKS TO BE COMPLETED
April 1, 2005	<ul style="list-style-type: none"> • Implement Stormwater Pollution Prevention Plan (SPPP) • Adopt Stormwater Management Plan and Submit to County Review Agency • Implement Fueling Operation SOP • Implement Vehicle Maintenance SOP • Implement Good Housekeeping SOP • Begin monthly street sweeping, where appropriate
May 2, 2005	<ul style="list-style-type: none"> • Complete and Submit Annual Report and Certification for year one
October 1, 2005	<ul style="list-style-type: none"> • Adopt Pet Waste Ordinance • Adopt Litter Ordinance • Adopt Improper Waste Disposal Ordinance • Adopt Wildlife Feeding Ordinance • Adopt Containerized Yard Waste Ordinance • Adopt Illicit Connection Ordinance • Begin Illicit Connection Elimination Program • Begin Roadside Erosion Maintenance • Begin Outfall Pipe Stream Scouring Program
April 1, 2006	<ul style="list-style-type: none"> • Stormwater Control Ordinance Adopted • Educational Brochure Distributed and Documented • Annual Educational Event Completed and Documented • Employees Trained and Documented • Annual Catch Basin Complete
May 2, 2006	<ul style="list-style-type: none"> • Complete and Submit Annual Report and Certification for year two
April 1, 2007	<ul style="list-style-type: none"> • 1st Sector Completed for Outfall Mapping • 1st Sector Completed for Catch Basin Labeling • Permanent Storage Structure for De-Icing Material
May 2, 2007	<ul style="list-style-type: none"> • Complete and Submit Annual Report and Certification for year three
May 2, 2008	<ul style="list-style-type: none"> • Complete and Submit Annual Report and Certification for year four
April 1, 2009	<ul style="list-style-type: none"> • Outfall Mapping complete • Inlet Labeling Complete
May 2, 2009	<ul style="list-style-type: none"> • Complete and Submit Annual Report and Certification for year five

Tier A Municipal Stormwater Regulation Program

Stormwater Pollution Prevention Team Members

Number of team members may vary.

Completed by: Jason A. Worth, P.E.

Title: Group Manager, T&M Associates

Date: June 25, 2020

Municipality: Township of Ocean

County: Ocean

NJPDES #: NJG0150860

PI ID #: 207315

Stormwater Program Coordinator: Matthew Ambrosio

Title: Superintendent, Dept. of Public Works

Office Phone #: 609-693-3302

Emergency Phone #: 609-618-0892

Public Notice Coordinator: Diane Ambrosio

Title: Township Administrator/Clerk

Office Phone #: 609-693-3302

Emergency Phone #: 609-693-4007

Post-Construction Stormwater Management Coordinator: Matthew Ambrosio

Title: Stormwater Coordinator

Office Phone #: 609-693-3302

Emergency Phone #: 609-618-0892

Local Public Education Coordinator: Diane Ambrosio

Title: Township Administrator/Clerk

Office Phone #: 609-693-3302

Emergency Phone #: 609-693-4007

Ordinance Coordinator: Diane Ambrosio

Title: Township Administrator/Clerk

Office Phone #: 609-693-3302

Emergency Phone #: 609-693-4007

Public Works Coordinator: Matthew Ambrosio

Title: Superintendent, Dept of Public Works

Office Phone #: 609-693-3302

Emergency Phone #: 609-618-0892

Employee Training Coordinator: Matthew Ambrosio

Title: Superintendent, Dept. of Public Works

Office Phone #: 609-693-3302

Emergency Phone #: 609-618-0892

Other: Jason A. Worth, P.E.

Title: Township Engineer

Office Phone #: 732-473-3400

Emergency Phone #: 908-601-0661

SPPP Form 2 - Public Notice

Municipality
Information

Municipality: Township of Ocean

County: Ocean

NJPDES # : NJG0150860

PI ID #: 207315

Team Member/Title: Diane Ambrosio, Township Administrator/Clerk

Effective Date of Permit Authorization (EDPA): April 1, 2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Briefly outline the principal ways in which you comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of your stormwater program.

Compliance with Public Notice Requirements:

For meetings where public notice is required under the Open Public Meetings Act ("Sunshine Law," N.J.S.A. 10:4-6 et seq.), the Township of Ocean provides public notice in a manner that complies with the requirements of the Act.

In regard to the passage of ordinances, the Township of Ocean provides public notice in a manner that complies with the requirements of N.J.S.A. 40:49-1 et seq.

For municipal actions (e.g. adoption of municipal stormwater management plan) subject to public notice requirements in the Municipal Land Use Law (N.J.S.A. 40:55d-1 et seq.), the Township of Ocean complies with those requirements.

Public notices are typically advertised in the following publications:

**Asbury Park Press*

**Ocean County Observer*

Additionally, starting January 1, 2019, the Township will also provide public notice for all public involvement projects pertaining to stormwater education and outreach activities either on the municipal website, through mass mailings, through advertisements in the Township's newspapers of record, or through other similar means.

SPPP Form 3 – New Development and Redevelopment Program

Municipality Information

Municipality: Township of Ocean County: Ocean
 NJPDES # : NJG0150860 PI ID #: 207315
 Team Member/Title: Matthew Ambrosio, Stormwater Coordinator
 Effective Date of Permit Authorization (EDPA): 4/1/2004
 Date of Completion: 3/21/2005 Date of most recent update: June 25, 2020

Describe in general terms your post-construction stormwater management in new development and redevelopment program (post-construction program), and how it complies with the Tier A Permit minimum standard. This description must address compliance with the Residential Site Improvement Standards for stormwater management; ensuring adequate long-term operation and maintenance of BMPs (including BMPs on property that you own or operate); design of storm drain inlets (including inlets that you install); and preparation, adoption, approval, and implementation of a municipal stormwater management plan and municipal stormwater control ordinance(s). Attach additional pages as necessary. Some additional specific information (mainly about that plan and ordinance(s)) will be provided in your annual reports.

To control stormwater from new development and revelopment projects throughout Ocean Township (including projects the Township operates) the following action will be implemented:

Compliance with Residential Site Improvement Standards (RSIS):

The Township of Ocean is currently ensuring that all new residential development and redevelopment projects that are subject to the Residential Site Improvement Standards stormwater management (including NJDEP Stormwater Management Rules, N.J.A.C. 7:8, referenced in those standards) are in compliance with those standards and all BMPs. The Township's planning and zoning boards ensure such compliance before issuing preliminary or final subdivision or site plan approvals under the Municipal Land Use Law. Additionally, starting January 1, 2019, the Township and/or their representatives will complete, update, finalize and maintain a "Major Development Stormwater Summary" for applicable structural and non- structural stormwater measures proposed.

Operation and Maintenance of Best Management Practices (BMPs):

Since the EDPA, the Township of Ocean has not constructed any new development or redevelopment projects on Township property. If the Township decides to construct such a project, adequate long-term operation and maintenance of BMPs for that project will be ensured by requiring that project to be constructed in accprdance with the stormwater control ordinance.

For any BMP that is installed in order to comply with the requirements of the post-construction program, the Township of Ocean will ensure adequate long-term operation as well as preventative and corrective maintenance (including replacement) of BMPs.

Storm Drain Inlet Design:

Any storm drain inlets installed will also be required to comply with the standards in Attachment C of the Township's General Stormwater Permit. Since the Township has adopted a stormwater control ordinance, the Township of Ocean will ensure operation and maintenance for any new development or redevelopment projects on Township property by complying with the maintenance requirements in that ordinance. In addition, any storm drain inlets installed for such projects will comply with that ordinance's standards.

SPPP Form 4- Local Public Education Program

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Diane Ambrosio, Township Clerk

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Local Public Education Program

Describe your Local Public Education Program. Be specific on how you will distribute your educational information, and how you will conduct your annual event. Attach additional pages with the date(s) of your annual mailing and the date and location of your annual event.

Local Public Education Requirements:

In accordance with the MS4 Permit requirements, the Township must conduct various public education activities and accumulate a minimum of 12 points worth of activities within a permit year (January 1st through December 31st). A complete list of activities and their corresponding points is attached to this form. The Township is required to select activities from at least three of the five categories provided.

The Township of Ocean shall evaluate the list annually and conduct educational activities that total at least 12 points based upon the permitted activities listed in Attachment B of the General Permit and certify to same in the Annual Report.

Attachment B – Points System for Public Education and Outreach Activities

The Tier A Municipality shall implement a Public Education and Outreach Program that focuses on educational and pollution prevention activities about the impacts of stormwater discharges on surface water and groundwater and to involve the public in reducing pollutants in stormwater runoff and mitigating flow.

The Tier A Municipality shall **annually** conduct educational activities that total at least **12 points** and include activities from at least three of the five categories found below. At a minimum, at least one of the activities shall involve educating businesses and the general public of hazards associated with illicit connections and improper disposal of waste. Each approved activity is listed below with an assigned point value. Additional information on how to conduct these Public Education and Outreach activities can be found under Notes and Definitions Part IV.A.3 and 4 of this Tier A MS4 NJPDES permit. Records shall be kept necessary to demonstrate compliance with this requirement, including date of activities and any other relevant documentation.

Category 1: General Public Outreach		
Activity	Description	Points
Website and Social Media	Maintain a stormwater related page on the municipal website or on a municipal social media site. The web page may include links to other stormwater related resources, including the NJDEP stormwater website (www.njstormwater.org).	1
Newspaper Ad	Use Department created and approved stormwater education materials available on www.cleanwater.nj.org to publish an ad in a newspaper or newsletter that serves the municipality.	1
Radio/Television	Broadcast a radio or television public service announcement from www.cleanwater.nj.org on a local radio or municipal public service channel.	1
Green Infrastructure Signage	Post signs at municipally-owned green infrastructure sites that describe the function and importance of the infrastructure, contact phone number, municipal identification number, and/or website for more information. *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*
Billboard/Sign	Produce and maintain (for credit in subsequent years) a billboard or sign which can be displayed on a bus, bus stop shelter, recreation field (outfield sign), or other similar public venue.	2
Mural	Produce and maintain (for credit in subsequent years) the planning and painting of a stormwater pollution themed mural, storm drain art or other artwork at a local downtown/commercial area or other similar public venue.	2
Stormwater Facility Signage	Post signs at municipally-owned stormwater management basins or other structural stormwater related facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information. *New signs receive 0.5 credits per sign. Existing signs that are maintained or upgraded receive 0.25 credits per sign. A maximum of 5 credits are allowed.	5*

Category 2: Targeted Audiences Outreach		
Activity	Description	Points
Stormwater Display	Present a stormwater related display or materials at any municipal event (e.g., Earth Day, town picnic), at the municipal building or other similar public venue.	1
Promotional Item	Distribute an item or items with a stormwater related message (e.g., refrigerator magnets, temporary tattoos, key chains, bookmarks, pet waste bag dispensers, coloring books, and pens or pencils). Municipality must initially have available a minimum number of the items equal to 10% of the municipal population.	2
Mailing or e-Mailing Campaign	Provide information to all known owners of stormwater facilities not owned or operated by the municipality (i.e., privately owned) highlighting the importance of proper maintenance of stormwater measures. For assistance, see information at www.nj.gov/dep/stormwater/maintenance_guidance.htm .	3
Mailing or e-Mailing Campaign	Distribute any of the Department's educational brochures, tip cards, or a municipally produced equivalent (e.g., community calendar, newsletter, or recycling schedule) via a mailing to every resident and business in the municipality.	2
Ordinance Education	Distribute a letter or e-mail from the mayor or municipal official to every resident and business in the municipality highlighting the requirements and environmental benefits of the Pet Waste, Wildlife Feeding, Litter Control, Improper Disposal of Waste, Containerized Waste/Yard Waste Collection, Private Storm Drain Inlet Retrofitting and Illicit Connection ordinances. Provide a link to the municipal website where subject ordinances are posted.	3

Category 3: School / Youth Education and Activities		
Activity	Description	Points
School Presentations	Provide water-related educational presentation(s) and/or activities to local preschool, elementary, middle, and/or high school classes using municipal staff or local partner organizations. Topics could include stormwater, nonpoint source pollution, watersheds, water conservation and water quality. For ideas, see information at www.nj.gov/dep/seeds . *Presentations receive 1 credit per presentation, with a maximum of 5 credits allowed.	5*
Water Education Workshops	Provide water-related professional development workshops for local teachers from a registered NJ Department of Education Professional Development Provider.	2
Storm Drain Labeling	Organize a project to label and/or maintain storm drain labels (that are not already precast with a message) with a scout troop, local school district, or faith based group, or other community youth group for a minimum of 40 labels. This project could also include stenciling over precast labels to improve legibility.	3
Educational Contest for Schools	Organize an educational contest with a local school district or a local community organization serving youth to design a poster, magnet, rain stick, rain barrel or other craft/art object. Contest themes shall have an appropriate stormwater message. Winning entries are to be displayed at publicly accessible locations within the municipality such as at the town hall, library, post office, or school. The winning design should be shown on the municipality's website or social media site, if practical.	3
AmeriCorps Event	Coordinate an event (e.g. volunteer stream monitoring, educational presentations, or stormwater awareness project) through AmeriCorps NJ Watershed Ambassador Program	4
Clean-up	Sponsor or organize a litter clean up for a scout troop, local school district, faith based group or other community youth group along a local waterway, public park, stormwater facility, or in an area with storm drains that discharge to a local lake or waterway.	3

Category 4: Watershed/Regional Collaboration		
Activity	Description	Points
Regional Stormwater Collaboration	Participate in a regional stormwater, community collaborative or other watershed-based group on a regular basis to discuss impaired waterbodies, TMDLs, regional stormwater related issues, or watershed restoration plans that address those waterbodies. Evaluate, develop and implement remedies that resolve stormwater-related issues within the affected waterbody or watershed.	3
Green Infrastructure Workshop	Organize or participate in a rain barrel, rain garden or other green infrastructure workshop on a regional or watershed basis. This could be a partnership exercise with a local watershed organization, utility, university, school, youth/faith based group, and/or other organization.	3
Community Activity	Organize or participate in the organization of a regional or watershed based event to carry out stormwater activities such as stormwater facility maintenance or litter clean-up. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, utility, university, school, youth/faith based group, and/or other organization to carry out these activities	3

Category 5: Community Involvement Activities		
Activity	Description	Points
Volunteer Stormwater Assessment or Stream Monitoring	Establish a volunteer stormwater facility assessment (inspection, inventory and/or mapping) or stream monitoring program for a waterbody within the municipality in order to gauge the health of the waterway through chemical, biological or visual monitoring protocols. Contact NJDEP's <u>AmeriCorps NJ Watershed Ambassador Program</u> or review <u>USEPA National Directory of Volunteer Monitoring Programs</u> .	3
Rain Barrel Workshop	Organize or participate in a rain barrel workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
Rain Garden Workshop	Organize or participate in a rain garden training or installation workshop. This could be a partnership exercise with a local watershed organization, university, school, youth/faith based group, and/or other nonprofit.	3
Community Event	Organize or participate in the organization of a community event to carry out stormwater activities such as stormwater measure maintenance or a stream buffer restoration. The municipality may identify and enter into a partnership agreement with a local group such as a watershed organization, university, utility, school, youth/faith based group, and/or other nonprofit to carry out these activities.	3
Community Involvement	Organize a project with a local organization to create and post signs at either green and/or gray stormwater infrastructure sites or facilities that describe the function and importance of the facility, contact phone number, municipal identification number, and/or website for more information.	5*
*Signs receive 0.5 credits per sign. A maximum of 5 credits are allowed.		

APPENDIX B

OCEAN TWP EDUCATIONAL MATERIALS

REQUIRED MATERIAL

EDUCATIONAL BROCHURE FOR ANNUAL DISTRIBUTION

LOCAL PUBLIC EDUCATION PROGRAM

Annual Mailing

Date Distributed:	Brochure Distributed With:

Annual Event

Date:	Materials Distributed:

VOLUNTEERS	
Name	Phone #

Additional Notes/Comments:

TOWNSHIP OF OCEAN

PET WASTE AND WATER POLLUTION



The Township of Ocean has adopted and enforces an ordinance that requires immediate and proper disposal of solid pet waste deposited on any property not owned or possessed by the pet owner or keeper. Violators of the ordinance may receive up to a \$1,000.00 fine.

Pet waste is carried by rain, melting snow, and ice to storm drains that empty into rivers, lakes, and the ocean. It also reaches reservoirs which supply much of the drinking water in New Jersey.

Pollution due to pet waste negatively impacts swimming, boating and fishing in these water bodies.

Pet waste contains microorganisms that can cause bacterial diseases, roundworms and parasitic infections.

In addition, pet waste contains harmful levels of nutrients which promote excessive algae and plant growth. This can rob the waterbody of oxygen, potentially killing all aquatic life in the area. Such nutrient pollution also causes waters to become cloudy and green.

Proper Pet Waste Disposal

Flush it down the toilet.

But do not flush bags, debris, or nonbiodegradable items

OR

Put it in the trash.

**THANK YOU FOR
DOING YOUR PART
TO KEEP
NEW JERSEY'S
WATERS CLEAN**



For More
Info

- See Pet Waste Ordinance www.twpoceannj.gov
- NJDEP Municipal Stormwater Regulation https://www.nj.gov/dep/dwq/msrp_home.htm
- EPA- Polluted Runoff: Nonpoint Source Pollution <https://www.epa.gov/nps>

Solutions to Stormwater Pollution

Easy Things You Can Do Every Day To Protect Our Water

A Guide to Healthy Habits for Cleaner Water

Pollution on streets, parking lots and lawns is washed by rain into storm drains, then directly to our drinking water supplies and the ocean and lakes our children play in. Fertilizer, oil, pesticides, detergents, pet waste, grass clippings: You name it and it ends up in our water.

Stormwater pollution is one of New Jersey's greatest threats to clean and plentiful water, and that's why we're all doing something about it.

By sharing the responsibility and making small, easy changes in our daily lives, we can keep common pollutants out of stormwater. It all adds up to cleaner water, and it saves the high cost of cleaning up once it's dirty.

As part of New Jersey's initiative to keep our water clean and plentiful and to meet federal requirements, many municipalities and other public agencies including colleges and military bases must adopt ordinances or other rules prohibiting various activities that contribute to stormwater pollution. Breaking these rules can result in fines or other penalties.



As a resident, business, or other member of the New Jersey community, it is important to know these easy things you can do every day to protect our water.

Limit your use of fertilizers and pesticides

- Do a soil test to see if you need a fertilizer.
- Do not apply fertilizers if heavy rain is predicted.
- Look into alternatives for pesticides.
- Maintain a small lawn and keep the rest of your property or yard in a natural state with trees and other native vegetation that requires little or no fertilizer.
- If you use fertilizers and pesticides, follow the instructions on the label on how to correctly apply it.



Make sure you properly store or discard any unused portions.

Properly use and dispose of hazardous products

- Hazardous products include some household or commercial cleaning products, lawn and garden care products, motor oil, antifreeze, and paints.
- Do not pour any hazardous products down a storm drain because storm drains are usually connected to local waterbodies and the water is not treated.

- If you have hazardous products in your home or workplace, make sure you store or dispose of them properly. Read the label for guidance.

- Use natural or less toxic alternatives when possible.

- Recycle used motor oil.

- Contact your municipality, county or facility management office for the locations of hazardous-waste disposal facilities.



Keep pollution out of storm drains

- Municipalities and many other public agencies are required to mark certain storm drain inlets with messages reminding people that storm drains are connected to local waterbodies.

- Do not let sewage or other wastes flow into a stormwater system.

Clean up after your pet

- Many municipalities and public agencies must enact and enforce local pet-waste rules.

- An example is requiring pet owners or their keepers to pick up and properly dispose of pet waste dropped on public or other people's property.

- Make sure you know your town's or agency's requirements and comply with them. It's the law. And remember to:

- Use newspaper, bags or pooper-scoopers to pick up wastes.

- Dispose of the wrapped pet waste in the trash or unwrapped in a toilet.

- Never discard pet waste in a storm drain.



Don't litter

- Place litter in trash receptacles.

- Recycle. Recycle. Recycle.

- Participate in community cleanups.

Dispose of yard waste properly

- Keep leaves and grass out of storm drains.

- If your municipality or agency has yard waste collection rules, follow them.

- Use leaves and grass clippings as a resource for compost.

- Use a mulching mower that recycles grass clippings into the lawn.



Contact information

For more information on stormwater related topics, visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U. S. Environmental Protection Agency Web sites www.epa.gov/npdes/stormwater or www.epa.gov/nps

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Nonpoint Pollution Control
Municipal Stormwater Regulation Program
(609) 633-7021



www.cleanwaternj.org



Pet Waste Pollutes Our Waters

What You Can Do To Help Protect Our Water

Clean and plentiful water is important to our families, our environment, our economy and our quality of life.

Did you know that animal waste from pets can pollute our waters? When left on the ground, pet waste is washed by rain and melting snow and ice into storm drains that carry it to our rivers, lakes, the ocean and drinking water.

Animal waste contains a high concentration of nutrients as well as bacteria and disease-causing microorganisms that can cause problems.

What you can do

Pet owners or anyone who takes your pet for walks must properly dispose of the waste by picking it up, wrapping it and either placing it in the trash or flushing it unwrapped down the toilet.

Your municipality is required to adopt and enforce local pet-waste laws. At a minimum, your community must require that pet owners or their keepers **immediately and properly** dispose of their pet's solid waste deposited on **any public or private property not owned or possessed by that person**. People with assistance animals such as Seeing Eye dogs are exempt.

Make sure you know what your municipality requires – and follow it.

Thank you for doing your part to keep New Jersey's waters clean.

For more information, please contact the following:

New Jersey Department of Environmental Protection
Division of Water Quality
Bureau of Nonpoint Pollution Control
Municipal Stormwater Regulation Program
(609) 633-7021

Visit www.njstormwater.org or www.nonpointsource.org

Additional information is also available at U. S.
Environmental Protection Agency Web sites
www.epa.gov/npdes/stormwater or www.epa.gov/nps



Jon S. Corzine, Governor
Lisa P. Jackson, Commissioner



SPPP Form 5 – Storm Drain Inlet Labeling

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Storm Drain Inlet Labeling

Describe your storm drain inlet labeling program, including your labeling schedule, the details of your long-term maintenance plan, and plans on coordinating with watershed groups or other volunteer organizations.

Storm Drain Inlet Labeling Program and Schedule:

All storm drain inlets along municipal streets with sidewalks, and all drain inlets within plazas, parking areas, or maintenance yards that are operated by the Township of Ocean were labeled by April 1, 2009.

Long term Maintenance Program:

During the annual catch basin cleaning program, the Township will be checking these labels to ensure they are still in place and legible. Labels that are not legible will be replaced immediately. During roadway paving projects, the Township replaces the inlet grates (and curb pieces if applicable) for bicycle safe grates that have labelling cast into them.

Description of Labels:

Plastic labels depicting a fish (Brook Trout) and reading "ONLY RAIN IN THE DRAIN - FLOWS TO BARNEGAT BAY: will be provided by the Barnegat Bay Estuary Program. Stencils depicting a similar statement will be used to label inlets where the application of the plastic label is not appropriate.

STORM DRAIN INLET LABELING PROGRAM

DATE	LOCATION OF LABELING	NUMBER OF INLETS LABELED	TYPE OF LABEL APPLIED
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
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			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Plastic Marker <input type="checkbox"/> Stencil <input type="checkbox"/> Other: _____

Additional Notes/Comments:

Storm Drain Labeling Guidelines for New Jersey

Prepared by
New Jersey Department of Environmental Protection
Division of Watershed Management
PO Box 418
Trenton, NJ 08625
609-984-0058

March 2004

Storm Drain Labeling Guidelines for New Jersey

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Acknowledgements

This guide is compilation of several guides and other materials that are already in existence. Many thanks to the following organizations:

*Partnership for the Delaware Estuary
Whippany River Watershed Partnership
United States Environmental Protection Agency*

Storm Drain Labeling Guidelines for New Jersey

Why Label Storm Drains?

Storm drain labeling is a great way to make people in your community more aware of nonpoint source pollution and polluted runoff. Nonpoint Source Pollution, or people pollution, is a contamination of our ground water, waterways, and ocean that results from everyday activities such as fertilizing the lawn, walking pets, changing motor oil and littering. With each rainfall, pollutants generated by these activities are washed into storm drains that flow into our waterways and ocean. Polluted runoff is stormwater contaminated by nonpoint source pollution. It harms local waterways, which we rely on for recreation and drinking water.

Residents may not be aware that most storm drains empty directly into local waterways, without treatment. Some individuals may view storm drains as trash receptacles for trash, used motor oil, leftover paint, pet waste or other pollutants. Storm drain labeling serves as an educational tool to remind people about the connection between storm drains and local waterbodies.

By labeling storm drains we can make everyone more aware of the nonpoint source pollution and polluted runoff. This is one step in educating people so that they can change their attitudes and behaviors that contribute to the problem.

Storm drain inlet labeling is also a requirement of New Jersey's new municipal stormwater permitting program. All Tier A municipalities are required to establish a storm drain inlet labeling program and label all storm drain inlets that are along municipal streets with sidewalks, and all storm drains within plazas, parking areas, or maintenance yards operated by the municipality. This program establishes a schedule for labeling, develops a long term maintenance plan and when possible coordinates the efforts with watershed groups and volunteer organizations. On an annual basis, these Tier A municipalities must identify the number of storm drains labeled. For more information on this program, visit www.njstormwater.org or call 609-633-7021.

A key factor in the success of a storm drain labeling program is visibility. Publicity in the local media about the event and volunteer participation in the event greatly increases the value of the labeling program as an educational tool. Municipalities are not required to use volunteers or seek media attention, but these activities do greatly improve the overall value of the program. Municipalities may opt to label the storm drains themselves or organize the storm drain labeling activities of local volunteers.

Types of Labeling

There are two types of storm drain labeling that can be done, stenciling with paint or gluing storm drain markers. Stenciling involves using a stencil and paint to label the drain. This type of marking has been used since early 1990s. The paint generally lasts up to 2 years, depending on weather and traffic conditions. Marking involves gluing a purchased marker to the storm drain. This method may last up to 10 years.

In determining which type of labeling to use, consider the cost of materials and how long they will last. Stenciling costs less initially and lasts a shorter time than markers which costs more initially but last longer. Another consideration is the educational value of the actual labeling process for the participants and residents. Since stenciling is done more frequently, it provides a more frequent reminder about polluted runoff.

How to Label Storm Drains

Below we have outlined the various tasks necessary to conduct a successful labeling event. At each event there are unique circumstances that come up and must be addressed by the organizers. A coordinator should be designated to oversee the event.

Preparation before the Event

1. Form an organizing committee and designate tasks.
2. Determine whether or not you will use stencils or markers. Determine what your stencils or markers will say and whether or not you want to include a graphic such as a fish, turtle, heron or crab. Some suggested messages are: "NO DUMPING – DRAINS TO RIVER," "ONLY RAIN DOWN THE STORM DRAIN," and "DUMP NO WASTE – DRAINS LOCAL WATERWAY." These messages can be customized to include the names of local waterbodies. In addition, you may wish to print the message in other languages depending on the community. Spanish is included as a standard on some markers.
3. Determine whether you will be purchasing materials or looking for donations. Include time to manufacture the markers or stencils in your timeline.
4. Identify your targeted area for labeling. Survey the area to locate the storm drains and determine how many there are. This information will determine how many labels you will need to buy and how many people will be involved in the event.
5. Select a date and a rain date for the event. Select the time and meeting location for the event.
 - a. Find out if there are any other events planned for that time period that might conflict or compliment your labeling event. A litter clean-up by the local environmental commission or flower planting by the garden club would compliment your labeling.

- b. The pavement or storm drain structure must be over 50 degrees for marking so that the adhesives will work properly. The surface must be dry for either stencils or markers.
6. Obtain written permission from your county or municipality to conduct the labeling. Call your county or municipality to find out the appropriate person or department to obtain permission from, usually the public works, highway or sewage authority. Ask them for a map of storm drains that you have permission to label.
7. In order to involve more volunteers, call various groups in your school and neighborhood to find out if they would be interested in participating. Consider involving your local AmeriCorps New Jersey Watershed Ambassador (See Resources Available at NJDEP section).
8. Prepare a promotional flyer to distribute to potential volunteers. You may want to invite friends, family, school clubs, youth groups, community organizations and neighbors. It may be beneficial to call these groups and/or make a presentation at one of their meetings.
9. Request support from local businesses to provide refreshments either before or after the event. Local businesses may also wish to contribute stenciling supplies (garbage bags, paint, brushes, gloves, etc.).
10. Invite community leaders including elected officials to participate in the event.
11. Acquire or prepare an informational flier to hand out during the event. Many materials are available for no or low cost from government agencies such as the NJ Department of Environmental Protection, local environmental groups or watershed associations (See Resource Section at the back of this booklet).
12. Prepare a press alert at least two weeks prior to the event and send it to the local media. Follow-up by calling the reporters and editors before the event.
13. Survey the area before the event to familiarize yourself with it. Note any safety concerns.

Week before the event

14. Make sure all materials are on hand. Prepare packets of supplies and information for each of your teams. Include a map of their area to label. Prepare sign-in sheets, name tags, and copies.
15. Make follow-up phone calls to confirm volunteers. Advise them of who to call in case of inclement weather. Make sure they know the time and location for the event.

16. Confirm refreshments if you are providing them.
17. Make follow up phone calls to the news media and local officials.

Day of the Event

1. Plan to arrive early to allow time to set-up before volunteers arrive.
2. Register volunteers. Allow about 30 minutes for registration and refreshments.
3. Give an overview of the day and why their work is important.
4. Divide volunteers into teams. Assign a team leader. Teams should be composed of 4 to 6 people. Make sure they have enough supplies for the area they will cover. Go over safety considerations.
5. Give volunteers a lesson on how to label the storm drain.
6. Send teams out to different areas, making sure that each team is clear on what area they are to stencil. Give them a specific time to return.
7. Take photographs of the event in order to document it and/or use them in a post-event press release.
8. When they return, collect leftover supplies. Dispose of any collected trash and recyclables properly.
9. Ask volunteers for feedback on the event. Provide refreshments if appropriate.

Follow-up after the Event

1. Send thank you letters to volunteers, businesses, supporters and any others that assisted you in the project.
2. Send a post-event press release to the local media. Include photographs of the actual event. Be sure to mention volunteer groups, sponsors and community leaders that were involved in the event.
3. Put together a summary of the event and provide it to your municipality.

Labeling Tips

All surfaces must be dry for either stenciling or marking.

Remember while working in or near the street, there is inherent risk. Be very cautious of passing cars, especially if you are working with children. Consider wearing brightly-colored safety vests, using traffic cones to protect your team and assigning a team member to serve as look-out for traffic.

Storm Drain Stenciling Tips

Supplies you will need:

- Stencils
- Latex paint
- Foam brushes
- Safety Vests
- Educational flyers
- Gloves*
- Paint stirrer
- Wire brushes or brooms
- Dustpans
- Newspapers or rags
- Trash bags

Remember:

- A little paint goes a long way!! Using too much blurs the stencil image.
- Try to stencil in area where cars will not be driving directly on the paint. This greatly shortens the life of the paint.

How to stencil:

- Use a wire brush or broom to clear away any loose debris from the spot where the stencil will be placed. Pull weeds if necessary. Put debris in garbage bags and dispose of it properly. Keep recyclables separate and recycle any items that can be recycled.
- Designate one team member as the safety person to look out for vehicles.
- Have two team members hold down the stencil firmly on the street in front of or behind the storm drain. A third team member can gently sponge or brush paint onto the stencil. You do not need to soak the brush. The less paint you use the more control you will have in painting a clearly legible message. When using the foam brush, press straight up and down on the street to apply the paint. Wiping side to side will cause the paint to get trapped under the stencil blurring the message. All three of these team members should wear gloves.
- Once painting is completed, lift the stencil straight up to prevent smearing.
- While some team members are stenciling, others may hand out educational flyers to people passing by or to nearby businesses in the vicinity of the stenciled areas.

**Please note that many people have allergic reactions to latex gloves. Check with your team members before distributing them if you use latex gloves.*

Storm Drain Marking Tips

Supplies you will need:

- Markers
- Adhesive
- Safety Vests
- Educational flyers
- Gloves*
- Wire brushes or brooms
- Dustpans
- Newspapers or rags
- Trash bags

Remember:

- Try to place the marker in area where cars will not be driving directly on it. This can greatly shorten the life of the marker.
- Surface temperatures must be over 50 degrees for most of the adhesives used to seal properly.

How to apply a marker:

- Use a wire brush or broom to clear away any loose debris from the spot where the stencil will be placed. Pull weeds if necessary. Put debris in garbage bags and dispose of it properly. Keep recyclables separate and recycle any items that can be recycled.
- Designate one team member as the safety person to look out for vehicles.
- Have two team members apply the adhesive in a spiral pattern on the back of the marker. Be sure to wear gloves.
- Apply the marker to the cleaned area. Press down hard to insure a proper seal with the adhesive under the entire surface of the marker.
- While some team members are applying markers, others may hand out educational flyers to people passing by or to nearby businesses in the vicinity of the stenciled areas.

**Please note that many people have allergic reactions to latex gloves. Check with your team members before distributing them if you use latex gloves*

Storm drain markers are available from two sources:
This information does not constitute an endorsement by the NJDEP of either of these manufacturers.

ACP International
1010 Oakmead
Arlington, Texas 76011
817-640-0992
www.acpinternational.com

das Manufacturing
3610 Cinnamon Trace Drive
Valrico, Florida 33594
800-549-6024
www.dasmanufacturing.com

For storm drain stencils, you may purchase stencil materials locally and create your own OR purchase pre-cut or custom stencils from:

Earthwater Stencils
Rochester, Washington
(360) 956-3774
www.earthwater-stencils.com

In addition, check with watershed association and environmental groups listed in the Additional Resources Section. They may have customized labels or markers for your watershed.

NonPoint Source Pollution Tips

Information in this section can be used in preparation of an educational flyer to distribute while labeling. Check with your local watershed association or environmental group listed in the Additional Resources Section for local educational materials.

Nonpoint Source Pollution is the contamination of our ground water, waterways, and ocean that results from everyday activities such as fertilizing the lawn, walking pets, changing motor oil and littering. With each rainfall, pollutants generated by these activities are washed into storm drains that flow into our waterways and ocean. They also can soak into the ground contaminating the ground water below.

Each one of us, whether we know it or not, contributes to nonpoint source pollution through our daily activities. As a result, nonpoint source pollution is the BIGGEST threat to many of our ponds, creeks, lakes, wells, streams, rivers and bays, our ground water and the ocean.

The collective impact of nonpoint source pollution threatens aquatic and marine life, recreational water activities, the fishing industry, tourism and our precious drinking water resources. Ultimately, the cost becomes the burden of every New Jersey resident.

But there's good news - in our everyday activities we can stop nonpoint source pollution and keep our environment clean. Simple changes in YOUR daily lifestyle can make a tremendous difference in the quality of New Jersey's water resources. Here are just a few ways you can reduce nonpoint source pollution.

LITTER: Place litter, including cigarette butts and fast food containers, in trash receptacles. Never throw litter in streets or down storm drains. Recycle as much as possible.

FERTILIZERS: Fertilizers contain nitrates and phosphates that, in abundance, cause blooms of algae that can lead to fish kills. Avoid the overuse of fertilizers and do not apply them before a heavy rainfall.

PESTICIDES: Many household products made to exterminate pests also are toxic to humans, animals, aquatic organisms and plants. Use alternatives whenever possible. If you do use a pesticide, follow the label directions carefully.

HOUSEHOLD HAZARDOUS PRODUCTS: Many common household products (paint thinners, moth balls, drain and oven cleaners, to name a few) contain toxic ingredients. When improperly used or discarded, these products are a threat to public health and the environment. Do not discard with the regular household trash. Use natural and less toxic alternatives whenever possible. Contact your County Solid Waste Management Office for information regarding household hazardous waste collection in your area.

MOTOR OIL: Used motor oil contains toxic chemicals that are harmful to animals, humans and fish. Do not dump used motor oil down storm drains or on the ground. Recycle all used motor oil by taking it to a local public or private recycling center.

CAR WASHING: Wash your car only when necessary. Consider using a commercial car wash that recycles its wash water. Like fertilizers, many car detergents contain phosphate. If you wash your car at home, use a non-phosphate detergent.

PET WASTE: Animal wastes contain bacteria and viruses that can contaminate shellfish and cause the closing of bathing beaches. Pet owners should use newspaper, bags or scoopers to pick up after pets and dispose of wastes in the garbage or toilet.

SEPTIC SYSTEMS: An improperly working septic system can contaminate ground water and create public health problems. Avoid adding unnecessary grease, household hazardous products and solids to your septic system. Inspect your tank annually and pump it out every three to five years depending on its use.

BOAT DISCHARGES: Dumping boat sewage overboard introduces bacteria and viruses into the water. Boat owners should always use marine sanitation devices and pump-out facilities at marinas.

As you can see, these suggestions are simple and easy to apply to your daily lifestyle. Making your commitment to change at least one habit can result in benefits that will be shared by all of us and add to the health and beauty of New Jersey's water resources.

Resources Available at NJDEP

These resources are available through the NJDEP Division of Watershed Management and are provided for low or no cost. Please call 609-292-2113 or visit www.nj.gov/dep/watershedmgt

The New Jersey Watershed Ambassadors Program

The New Jersey Watershed Ambassadors Program is a community-oriented AmeriCorps environmental program designed to raise awareness about water issues in New Jersey. Through this program, AmeriCorps members are placed across the state to serve their local communities. Watershed Ambassadors monitor the rivers of New Jersey through River Assessment and Biological Assessment volunteer monitoring protocols. Watershed Ambassadors also make interactive presentations to community organizations and schools. They also organize and participate in stewardship projects such as storm drain stenciling, litter clean-ups and restoration projects.

Project WET (Water Education for Teachers)

Project WET is a nationally renowned program that offers teachers a better understanding about the world's water resources through hands-on, multi-disciplinary lessons. Project WET is the only program that teaches about the importance and value of water in our every day life with formal and non-formal educators while offering specialized programs about New Jersey's water resources and watersheds. NJ Project WET is a well-rounded program that focuses on water supply, water quality, water conservation, watershed management, land use planning and wetlands. Project WET provides educators with accurate insight into critical water issues while offering a large selection of creative teaching strategies.

In addition to workshops, NJ Project WET reaches another 5,000 students annually and an estimated 12,000 parents, volunteers, educators and administrators through its Water Festival Grant Program. A Water Festival is a one-day celebration of water with a focus on a school's watershed. Students participate in a series of learning stations that examine water use over time, water's role in shaping our country, what a watershed is, how water is cleaned and used again, how a molecule travels through the water cycle and much more. The festivals involve the community and attract positive media attention that reaches thousands of people across the state.

NJ Project WET offers a unique learning opportunity for high school students and teachers through its Watershed Stewards Program. This program focuses on a weekend leadership workshop for a high school team of four or five students. They are provided instruction and training in watershed topics and team-building experiences that prepare them to focus on a watershed service project that will address an environmental concern. Each Watershed Steward Team must work with three community organizations and solicit another 20 volunteers to assist with the project. Participants receive a small grant to conduct a Watershed Steward Project.

Harbor Watershed / Urban Fishing Program

The goal of the Urban Fishing Program is to educate young students living in the Newark

Bay Complex about the hazards of eating contaminated fish and help them to discover the beauty of the great natural resource. Students who participate in the program sample recreational opportunities that the bay has to offer while learning how to be responsible citizens within the estuary. The students experience four days of intense yet enjoyable instruction related to the Newark Bay Complex. Throughout the four days students are given hands-on experiences such as fishing, water monitoring, eco-cruising and community clean-ups which will endure with them over a lifetime. The program also includes a storm drain marking program that can help municipalities fulfill their stormwater permitting requirements.

Clean Water Raingers Program

This program offers educators a number of teaching materials for their students as well as background information on watersheds and nonpoint source pollution. Educators who participate in the Clean Waters Raingers Program are provided with free booklets and associated materials for their elementary school age students. The *Clean Water Raingers Coloring Book*, *How to be a Clean Water Rainger Booklet* and the *Clean Water Raingers stickers* are also popular giveaways at family oriented events and festivals. These publications are also available online on the Department's environmental education web page.

Volunteer Monitoring Program - Watershed Watch

The Division has begun to implement a Volunteer Monitoring Program over the last several years. Volunteers are being encouraged to assess their local waterways using visual surveys or benthic macroinvertebrate studies. The Watershed Watch Network, comprised of volunteer monitors from across the state, works with the Department to better coordinate and improve the data collected by volunteers.

Publications

The DWM produces a number of stormwater related publications that are available for free distribution to municipalities, watershed associations, environmental groups or other organizations. These include *What's A Watershed?* Brochure, *New Jersey's Watersheds* Poster, and *Watershed Focus* Newsletter.

Additional Resources

There are many government agencies, environmental groups, and watershed association that have resources to help you. They can help you organize an event, provide volunteers, or provide educational resources. Please contact organizations in your area.

New Jersey Department of Environmental Protection Division of Watershed Management

PO Box 418
Trenton, NJ 08625-0418
609-292-2113
www.nj.gov/dep/watershedmgt

Alliance for a Living Ocean

2007 Long Beach Boulevard
North Beach Haven, NJ 08008
609-492-0222
livingoceanalo@comcast.net
<http://www.livingocean.org/index.html>

Clean Ocean Action

18 Hartshorn Drive
PO Box 505
Highlands, NJ 07732
732-872-0111
sandyhook@cleanoceanaction.org
<http://www.cleanoceanaction.org/>

Great Swamp Watershed Association

PO Box 300
New Vernon, NJ 07976
973-966-1900
everything@greatswamp.org
<http://www.greatswamp.org>

Jacques Cousteau National Estuarine Research Reserve

Jacques Cousteau Coastal Education Center
130 Great Bay Boulevard
Tuckerton, NJ 08087
609-812-0649
weiss@imcs.rutgers.edu
<http://www.jcnerr.org/>
Lisa Weiss

Monmouth Coastal Watersheds Partnership

c/o Monmouth County Planning Board
One East Main Street
Freehold, NJ 07728
732-431-7460
Turner Shell
<http://www.visitmonmouth.com/area12/>

North Jersey Resource Conservation and Development Council

54 Old Highway 22
Clinton, NJ
908-735-0733
chall@northjerseyrcd.org
<http://www.northjerseyrcd.org/>
Christine Hall

Partnership for the Delaware Estuary

1009 Philadelphia Pike
Wilmington, DE 19809
1-800-445-4935
partners@udel.edu
www.delawareestuary.org

Passaic River Coalition

246 Madisonville Road
Basking Ridge, N.J. 07920
908-766-7550
prcwater@aol.com
<http://www.passaicriver.org/>
Ella Filippone

Pequannock River Coalition

PO Box 392
Newfoundland, NJ 07435
973-492-3212
pequannockguy@aol.com
Ross Kushner

Pohatcong Creek Watershed Association

256 Creek Road
Phillipsburg, NJ 08865
(908) 213-1550
www.pewa.org
Dawn Areia

Pompeston Creek Watershed Association

551 New Albany Road
Moorestown, NJ 08057
(856) 235-9204
dlord@aol.com
Debbie Lord

Rockaway River Watershed Cabinet
c/o Morris 2000
2 Ridgedale Avenue
Cedar Knolls, NJ 07927
973-984-2000

South Branch Watershed Association
Lechner House, Echo Hill
Environmental Area, 51 Lilac Drive
Flemington, NJ 08822
908-782-0422
sbwa@eclipse.net
<http://www.sbwa.org>

Stony Brook Millstone Watershed Association
31 Titus Mill Road
Pennington, NJ 08534
609-737-3735
creed@thewatershed.org
www.thewatershed.org

Sussex County Municipal Utilities Authorities
34 Route 94 South
Lafayette, NJ 07848
973-579-6998
scmua@nac.net
<http://www.wallkillriver.org/>
Nathaniel Sajdak

Ten Towns Great Swamp Watershed Management Committee
c/o Morris 2000
2 Ridgedale Avenue
Cedar Knolls, NJ 07927
973-984-2000
<http://www.tentowns.org>

Watershed Management Area 3 Public Advisory Committee
holzapfeg@waynetownship.com
George Hozapfel

Watershed Management Area 4 Public Advisory Committee

Ellen Gruber

mandegruber@hotmail.com

Watershed Management Area 5 Public Advisory Committee

Bergen County Department of Health Services

327 East Ridgewood Avenue

Paramus, NJ 07652

201-634-2600

avernick@aol.com or tdecandia@co.bergen.nj.us

Anthony Vernick or Anthony DeCandia

Watershed Management Area 19 Public Advisory Committee

Burlington County Office of Land Use Planning

P. O. Box 600

Mt. Holly, NJ 08060

Gina Berg

Wreck Pond Watershed Association

809 Central Avenue

Spring Lake Heights, NJ 07762

732-449-8764

wreckpond@hotmail.com

Clean Communities Program

Sandy Huber, Executive Director

Clean Communities Council

479 West State Street

Trenton, NJ 08618

609-989-5900

info@njclean.org

<http://www.njclean.org/>

The Clean Communities Council works with the state departments of Environmental Protection and Treasury to oversee the implementation of litter abatement programs in 556 municipalities and 21 counties. The Council provides a clearinghouse for information about litter abatement, forums for the free exchange of ideas, and a voice for its constituents.

The Council also will ask towns and counties to report how Clean Communities grant money is spent—the number of cleanups held, number of volunteers who participated, the amount and type of litter and recyclables picked up, and the number and type of educational programs offered to schools and community groups. This information will be compiled in the Annual Report to the Governor and Legislature

Storm drain labeling is one of the allowable costs under this entitlement program. If you are planning a storm drain labelling event, please contact your local Clean Communities Coordinator to see if funding is available.

Useful websites

In addition, there are many valuable websites that can give you background information on nonpoint source pollution, polluted runoff, watershed and storm drain marking. They are listed below.

NJ Department of Environmental Protection

www.nj.gov/dep

features information on the Department's clean water initiatives, educational materials and regulatory programs

United States Environmental Protection Agency

www.epa.gov/owow/nps/

features basic information at the national level on nonpoint source pollution

The Watershed Institute

www.thewatershedinstitute.org

features information about watershed associations from across the state

Watershed Partnership for New Jersey

www.wpnj.org

features information on watershed educational resource in New Jersey

SPPP Form 6 – MS4 Outfall Pipe Mapping

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Explain how you will prepare your map (include its type and scale, and the schedule for the mapping process). Who will prepare your map (e.g., municipal employees, a consultant, etc.)?

Current Outfall Maps:

Outfall mapping has been previously conducted by the Township of Ocean in accordance with the Sewage Infrastructure Improvement Act.

Updating Outfall Maps:

The Township will continue to ensure that outfall maps are updated as new development or redevelopment changes the current storm sewer system through the construction of stormwater outfalls

** Township of Ocean Outfall mapping has been included.*

**Ocean Township
Outfall Inspection Checklist**

Outfall No.	Location	Receiving Waterbody	Illicit Connection Inspection Report Form			Scouring Present		Comments/Notes	
			Date of Inspection*	Dry-weather Flow**		YES	NO		
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

*All forms and Inspection Checklist to be included in the Township's SPPP.
 ** Complete appropriate follow-up investigations for outfalls found to have evidence of intermittent flow.

**Ocean Township
Outfall Inspection Checklist**

Outfall No.	Location	Receiving Waterbody	Elicit Connection Inspection Report Form			Scouring Present		Comments/Notes	
			Date of Inspection*	Dry-weather Flow**		YES	NO		
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> Intermittent	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

*All forms and Inspection Checklist to be included in the Township's SPFP.

** Complete appropriate follow-up investigations for outfalls found to have evidence of intermittent flow.



NOTE:

1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING BY CHARLES H. MACKIE ASSOCIATES INC. DATED FEB. 21, 1996. THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.

REVISIONS

DATE	BY



RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJDCA 24GA27986500
 200 HIGH STREET MOUNT HOLLY, N.J.
 2 MARKET STREET PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT

SHEET LOCATION PLAN

SCALE: 1" = 2000'

CLIENT:
TOWNSHIP OF OCEAN

PROJECT LOCATION:
 OCEAN TOWNSHIP
 OCEAN COUNTY
 NEW JERSEY

PROJECT NO.:
 M-310-007

CONTRACT NO.:

DATE:
 DEC. 09

DESIGNED BY:

DRAWN BY:

CHECKED BY:

SHEET
 1

FILE NO.:

MATCH LINE SHEET 2



MATCH LINE SHEET 12

OYSTER CREEK

OYSTER CREEK

LACEY TOWNSHIP

OCEAN TOWNSHIP

MATCH LINE SHEET 4

REVISIONS		DATE	BY

RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJDCA 24GA27988500
 200 HIGH STREET MOUNT HOLLY, N.J.
 2 MARKET STREET PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT

STORM SYSTEM MAPPING SHEET 1
 SCALE: 1" = 200'

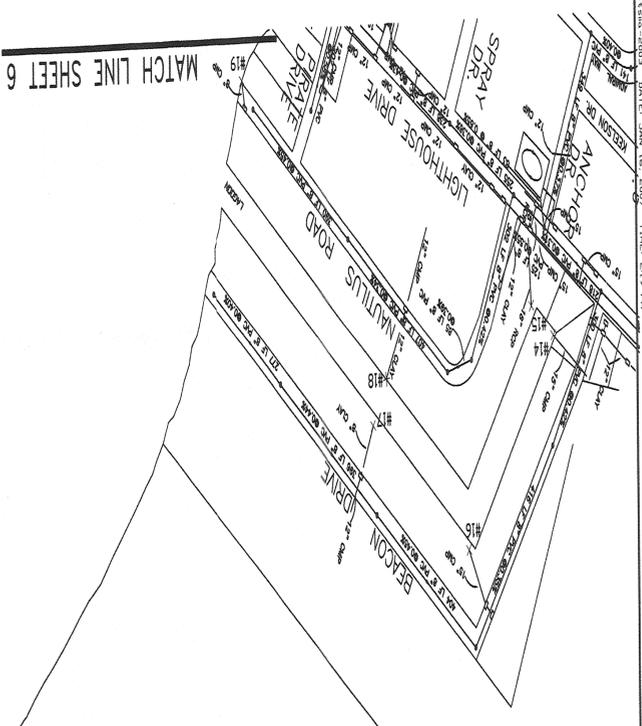
CLIENT: TOWNSHIP OF OCEAN
 PROJECT LOCATION: OCEAN TOWNSHIP OCEAN COUNTY NEW JERSEY
 PROJECT NO.: IM-310-007
 CONTRACT NO.:

DATE: DEC. 03 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:

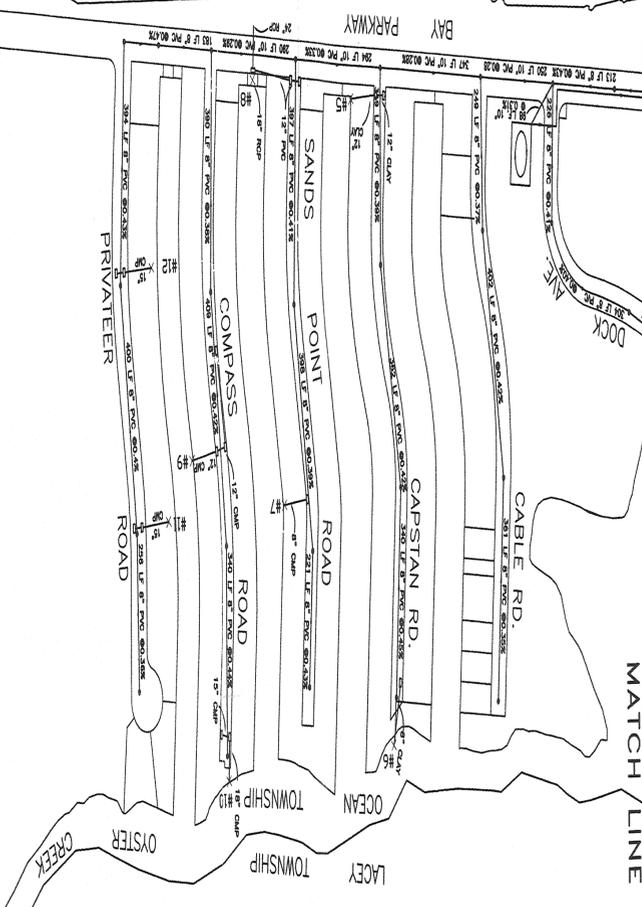
SHEET 1 OF 12
 FILE NO.:

NOTE:
 1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING BY CHARLES H. MACKIE ASSOCIATES INC. DATED FEB. 21, 1986. THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.

NOTE:
 1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING
 BY CHARLES H. MACKIE ASSOCIATES INC. DATED FEB. 21, 1998.
 RICHARD A. ALAIMO ASSOCIATES.



BAY
BAY



REVISIONS	DATE	BY

RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJICA 2462798800
 MOUNT HOLLY, N.J.
 200 HIGH STREET
 PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT
STORM SYSTEM MAPPING SHEET 3
 SCALE 1" = 200'

CLIENT: TOWNSHIP OF OCEAN
 PROJECT NO.: M-810-007
 CONTRACT NO.: M-810-007
 PROJECT LOCATION: OCEAN TOWNSHIP, OCEAN COUNTY, NEW JERSEY
 DATE: DEC. 09
 DESIGNED BY: 3
 DRAWN BY: 12
 CHECKED BY: 12
 FILE NO.: 3

MATCH LINE SHEET 1

MATCH LINE SHEET 12

MATCH LINE SHEET 5

MATCH LINE SHEET 7



NOTE:
 1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING
 BY CHARLES H. WACKIE ASSOCIATES INC. DATED FEB. 21, 1995.
 THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.

REVISIONS	DATE	BY

RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJPCA 24GJ27988500
 200 HIGH STREET MOUNT HOLLY, N.J.
 2 MARKET STREET PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT
STORM SYSTEM MAPPING SHEET 4
 SCALE: 1" = 200'

TOWNSHIP OF OCEAN
 PROJECT LOCATION:
 OCEAN TOWNSHIP
 OCEAN COUNTY
 NEW JERSEY

DATE: DEC. 03
 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:

SHEET: 4
 OF: 12
 FILE NO.:

MATCH LINE SHEET 3

MATCH LINE SHEET 5

ADMIRAL WAY

TILLER DR.

SHORE DR.

BARNES

BAY



NOTE:
1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING BY CHARLES H. MACKIE ASSOCIATES INC. DATED FEB. 21, 1996. THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.

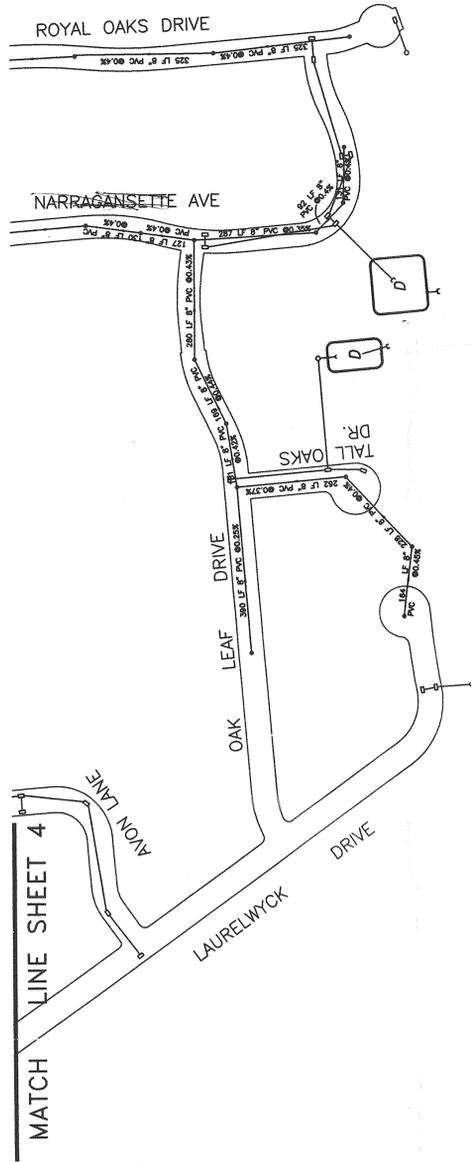
REVISIONS	DATE	BY

RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJDCA 24CA27988500
 200 HIGH STREET MOUNT HOLLY, N.J.
 2 MARKET STREET PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT
STORM SYSTEM MAPPING SHEET 6
 SCALE: 1" = 200'

CLIENT: **TOWNSHIP OF OCEAN**
 PROJECT LOCATION: **OCEAN TOWNSHIP OCEAN COUNTY NEW JERSEY**
 PROJECT NO.: **M-310-007**
 CONTRACT NO.:

DATE: **DEC. 03** DESIGNED BY:
 DRAWN BY: CHECKED BY:
 SHEET: **6** OF **12**
 FILE NO.:



MATCH LINE SHEET 4

MATCH LINE SHEET 12

MATCH LINE SHEET 9

NOTE:
 1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING BY CHARLES H. MACKIE ASSOCIATES INC. DATED FEB. 21, 1996. THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.



RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJDCA 24G427986500
 200 HIGH STREET
 MOUNT HOLLY, N.J.
 PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT
STORM SYSTEM MAPPING SHEET 7
 SCALE: 1" = 200'

CLIENT: TOWNSHIP OF OCEAN
PROJECT LOCATION: OCEAN TOWNSHIP, OCEAN COUNTY, NEW JERSEY

PROJECT NO.: M-310-007
CONTRACT NO.:

DATE: DEC. 03
DESIGNED BY:
DRAWN BY:
CHECKED BY:

SHEET 7
12
FILE NO.:

REVISIONS	DATE	BY

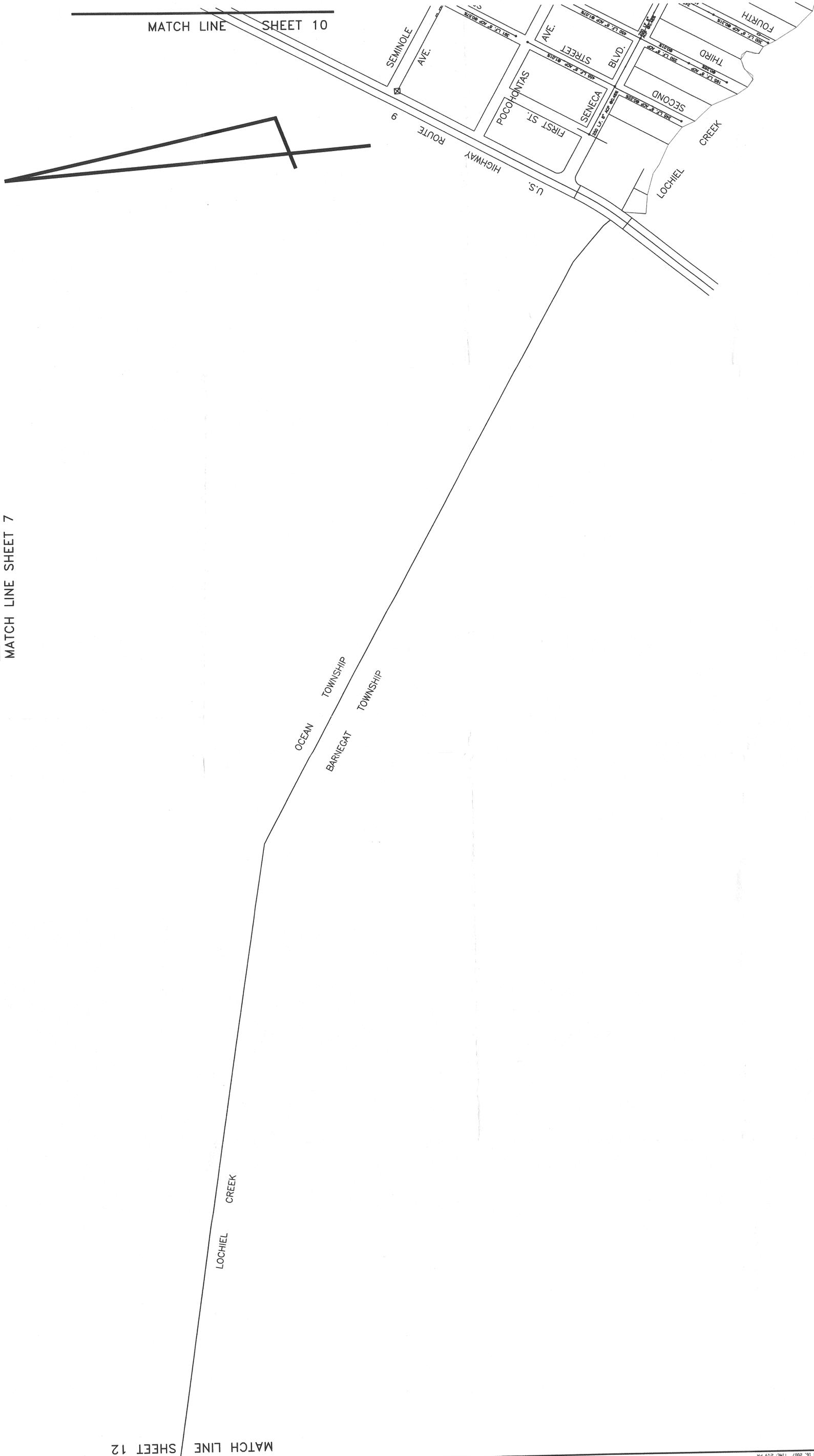
MATCH LINE SHEET 7

MATCH LINE SHEET 10

MATCH LINE SHEET 12

LOCHIEL CREEK

OCEAN TOWNSHIP
BARNEGAT TOWNSHIP



NOTE:
 1. THE INFORMATION SHOWN ON THIS SHEET WAS TAKEN FROM MAPPING BY CHARLES H. W. ASSOCIATES, INC. DATED FEB. 21, 1996. THE MAPPING WAS PRINTED BY RICHARD A. ALAIMO ASSOCIATES.

REGIONS	DATE	BY

RICHARD A. ALAIMO ASSOCIATES
 Consulting Engineers
 NJCEA 240A27988500
 200 HIGH STREET MOUNT HOLLY, N.J.
 2 MARKET STREET PATERSON, N.J.

SEWAGE INFRASTRUCTURE IMPROVEMENT ACT
STORM SYSTEM MAPPING SHEET 9
 SCALE: 1" = 200'

CLIENT: TOWNSHIP OF OCEAN
 PROJECT LOCATION: OCEAN TOWNSHIP OCEAN COUNTY NEW JERSEY
 PROJECT NO.: M-310-007
 CONTRACT NO.:

DATE: DEC. 03
 DESIGNED BY:
 DRAWN BY:
 CHECKED BY:

SHEET 9
 12
 FILE NO.:

SPPP Form 7 – Illicit Connection Elimination Program

Municipality Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Describe your Illicit Connection Elimination Program, and explain how you plan on responding to complaints and/or reports of illicit connections (e.g., hotlines, etc.). Attach additional pages as necessary.

Initial Physical Inspection:

The Township Department of Public Works will conduct an initial inspection of all municipal outfall pipes. Inspections will be conducted using the DEP Illicit Connection Inspection Form. Each of these forms will be kept with Township's SPPP records.

Illicit Connection Elimination Program:

Outfall pipes that are found to have dry weather flow or evidence of an intermittent non-stormwater flow will be investigated to locate the illicit connection. If the Township is able to locate the illicit connection (and the connection is within the Township of Ocean) the responsible party will be notified immediately, and a citation will be issued if the connection is not corrected or removed six (6) months from discovery.

If, after the appropriate amount of investigation, the Township of Ocean is unable to locate the source of the illicit connection, the Closeout Investigation Form will be submitted with the Annual Inspection and Recertification.

If an illicit connection is found to originate from another public entity, the Township of Ocean will report the illicit connection to the Department, and will also notify the municipality from which the dry weather flow appears to originate.

The Township will, at minimum, continue to inspect for illicit connections at least once per permit cycle (five years). In addition, the Township will investigate possible illicit connections reported by residents. Inspections, will also be conducted while completing investigations or the Outfall Pipe Stream Scoring Detection, Remediation, and Maintenance Program (see Form 14), if the inspection is preceded by a 72 hour dry weather period.

Illicit Connection Inspection Report Form

Municipality Information

Municipality: Ocean Township

County: Ocean County

NJPDES #: NJG0150860

PI ID #: 207315

Team Member: Matthew Ambrosio, Assistant Road Foreman

Date: _____

Effective Date of Permit Authorization (EDPA): April 1, 2004

Outfall #: _____

Location: _____

Receiving Waterbody: _____

1. Is there a dry weather flow? Y () N ()

2. If "YES", what is the outfall flow estimate? _____ gpm
(flow sample should be kept for further testing, and this form will need to be submitted with the Annual Report and Certification)

3. Are there any indications of an intermittent flow? Y () N ()

4. If you answered "NO" to BOTH questions #1 and #3, there is probably not an illicit connection and you can skip to question #7.

(NOTE: This form **does not** need to be submitted to the Department, but should be kept with your SPPP.)

If you answered "YES" to either question, please continue on to question #5.

(NOTE: This form will need to be submitted to the Department with the Annual Report and Certification.)

5. PHYSICAL OBSERVATIONS:

(a) ODOR: none _____

(b) COLOR: none _____

(c) TURBIDITY: none _____

(d) FLOATABLES: none _____

(e) DEPOSITS/STAINS: none _____

(f) VEGETATION CONDITIONS: normal

(g) DAMAGE TO OUTFALL STRUCTURES:

IDENTIFY STRUCTURE: _____

DAMAGE: none _____

6. ANALYSES OF OUTFALL FLOW SAMPLE:

* field calibrate instruments in accordance with manufacturer's instructions prior to testing.

(a) DETERGENTS: _____ mg/L

(if sample is greater than 0.06 mg/L, the sample is contaminated with detergents [which may be from sanitary wastewater or other sources]. Further testing is required and this outfall should be given the highest priority.)

(if the sample is not greater than 0.06 mg/L and it does not show physical characteristics of sanitary wastewater [e.g., odor, floatables, and/or color] it is unlikely that it is from sanitary wastewater sources, yet there may still be an illicit connection of industrial wastewater, rinse water, backwash or cooling water. Skip to question #6c.)

(b) AMMONIA (as N) TO POTASSIUM RATIO: _____

(if the Ammonia to Potassium Ratio is greater than 0.6:1, then it is likely that the pollutant is sanitary sewage)

(if the Ammonia to Potassium Ratio is less than or equal to 0.6:1, then the pollutant is from another washwater source.)

(c) FLUORIDE: _____ mg/L

(if the fluoride levels are between 1.0 and 2.5 mg/L, then the flow is most likely from fluoride treated potable water.)

(if the sample tests below a detection limit of 0.1 mg/L for fluoride, it is likely to be from groundwater infiltration, springs or streams. In some cases, however, it is possible that the discharge could originate from an onsite well used for industrial cooling water, which will test non-detect for both detergents and fluoride. To differentiate between these cooling water discharges and groundwater infiltration, you will have to rely on temperature.)

(d) TEMPERATURE: _____ °F

(if the temperature of the sample is over 70°F, it is most likely cooling water)

(if the temperature of the sample is under 70°F, it is most likely from ground water infiltration)

7. Is there a suspected illicit connection? Y () N ()

If "YES", what is the suspected source? _____

If "NO", skip to signature block on the bottom of this form.

8. Has the investigation of the suspected illicit connection been completed?

Y () N ()

If "YES", proceed to question #9.

If "NO", skip to signature block on the bottom of this form.

9. Was the source of the illicit connection found? Y () N ()

If "YES", identify the source. _____

What plan of action will follow to eliminate the illicit connection?

Resolution:

If "NO", complete the Closeout Investigation Form and attach it to this Illicit Connection Inspection Report Form.

Inspector's Name: _____

Title: _____

Signature: _____

Date: _____

If there is a dry weather flow or evidence of an intermittent flow, be sure to include this form with your Annual Report and Certification.

If there is not a dry weather flow or evidence of an intermittent flow, this form should be retained with your SPPP.

Closeout Investigation Form

Municipality
Information

Municipality: Ocean Township

County: Ocean County

NJPDES # : NJG0150860

PI ID #: 207315

Team Member: Matthew Ambrosio, Assistant Road Foreman

Date: _____

Effective Date of Permit Authorization (EDPA): April 1, 2004

Outfall #: _____ Location: _____

Receiving Waterbody: _____

Basis for Submittal:

- () A non-stormwater discharge was found, but no source was located within six months.
- () An intermittent non-stormwater discharge was observed, and three unsuccessful investigations were conducted to investigate the discharge while it was flowing.

Describe each phase of your investigation, including dates. Attach additional pages as necessary:

Inspector's Name: _____

Title: _____

Signature: _____

Date: _____

Complete and attach this form to the appropriate Illicit Connection Inspection Report Form and submit with the Annual Report and Certification.

SPPP Form 8 – Illicit Connection Records

Municipality Information

Municipality: Township of Ocean County Ocean
 NJPDES # : NJG0150860 PI ID #: 207315
 Team Member/Title: Matthew Anbrosio, Stormwater Coordinator
 Effective Date of Permit Authorization (EDPA): 4/1/2004
 Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

January 1, 2020 - December 31, 2020

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? _____

Number of outfalls found to have a dry weather flow? _____

Number of outfalls found to have an illicit connection? _____

How many illicit connections were eliminated? _____

Of the illicit connections found, how many remain? _____

January 1, 2021 - December 31, 2021

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? 0

Number of outfalls found to have a dry weather flow? 0

Number of outfalls found to have an illicit connection? 0

How many illicit connections were eliminated? 0

Of the illicit connections found, how many remain? 0

January 1, 2022 - December 31, 2022

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? 0

Number of outfalls found to have a dry weather flow? 0

Number of outfalls found to have an illicit connection? 0

How many illicit connections were eliminated? 0

Of the illicit connections found, how many remain? 0

January 1, 2023 - December 31, 2023

Note: Attach a copy of each illicit connection report form for outfalls found to have a dry weather flow.

Total number of inspections performed this year? 0

Number of outfalls found to have a dry weather flow? 0

Number of outfalls found to have an illicit connection? 0

How many illicit connections were eliminated? 0

Of the illicit connections found, how many remain? 0

SPPP Form 9 – Yard Waste Ordinance/Collection Program

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Please describe your yard waste collection program. Be sure to include the collection schedule and how you will notify the residents and businesses of this schedule. Attach additional pages as necessary.

Yard Waste Ordinance/Containerized Collection Program:

The Township of Ocean adopted an ordinance for containerized yard waste collection dates. The Township is divided into four sectors and yard waste pickup is conducted every Thursday. Yard waste from each sector is picked up, thus a pickup is conducted once every four weeks. The collection process continues into the spring (weather permitting) to include spring cleanup yard waste as well. All yard waste needs to be containerized for pickup.

The Township of Ocean does not have and will not allow road side sweeping of leaves and other yard waste.

SPPP Form 10 - Ordinances

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Diane Ambrosio, Township Clerk

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

For each ordinance, give the date of adoption. If not adopted, explain the development status:

Pet Waste September 2005

Are information sheets regarding pet waste distributed with pet licenses? Y (X) N ()

Litter September 2005

Improper Waste Disposal September 2005

Wildlife Feeding September 2005

Yard Waste September 2005

Illicit Connections September 2005

Refuse Containers/Dumpsters October 2010

Private Storm Drain Retrofitting October 2010

How will these ordinances be enforced?

These ordinances are enforced by the Township code enforcement officer and police officers. If someone is found to be in violation of an ordinance, they will be penalized according to the consequences in that ordinance, which may include warnings and fines.

SPPP Form 11 – Storm Drain Inlet Retrofitting

Municipality Information	Municipality: <u>Township of Ocean County Ocean</u> NJPDES # : <u>NJG0150860</u> PI ID #: <u>207315</u> Team Member/Title: <u>Matthew Ambrosio, Stormwater Coordinator</u> Effective Date of Permit Authorization (EDPA): <u>4/1/2004</u> Date of Completion: <u>March 21, 2005</u> Date of most recent update: <u>June 25, 2020</u>
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What type of storm drain inlet design will generally be used for retrofitting?
For most projects, the Township shall use the NJDOT bicycle safe grate with the words "DUMP NO WASTE, DRAINS TO WATERWAYS" printed on it. The Township shall also use Type 'N' Eco curbpieces where applicable.

Repaving, repairing, reconstruction or alteration project name	Projected start date	Start date	Date of completion	# of storm drain inlets	# of storm drains w/ hydraulic exemptions
<i>2018 Road Improvement Program</i>		<i>9/2018</i>	<i>5/2019</i>	<i>51</i>	<i>0</i>
<i>2020 Road Improvement Program</i>	<i>9/2020</i>			<i>22</i>	

Are you claiming any alternative device exemptions or historic place exemptions for any of the above projects? Please explain:
No exemptions claimed.

SPPP Form 12 – Street Sweeping and Road Erosion Control Maintenance

Municipality Information

Municipality: Township of Ocean County: Ocean

NJPDES #: NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Street Sweeping

Please describe the street sweeping schedule that you will maintain.

(NOTE: Attach a street sweeping log containing the following information: date and area swept, # of miles swept and the total amount of materials collected.)

Street Sweeping Schedule:

The Township of Ocean does not have any municipally owned roadways that meet the criteria necessary for monthly street sweeping requirements (i.e. roads in predominately commercial areas with curbs and a speed limit under 35 MPH).

Road Erosion Control Maintenance

Describe your Road Erosion Control Maintenance Program, including inspection schedules. A list of all sites of roadside erosion and the repair technique(s) you will be using for each site should be attached to this form.

(NOTE: Attach a road erosion control maintenance log containing the following information: location, repairs, date)

Road Erosion Control Maintenance Program:

The Township of Ocean will use the Road Department to monitor all municipal roads and streets for erosion problems during normal patrols. All identified road erosion problems will be reported to the Superintendent of Public Works. During SPPP Team meetings, identified areas of erosion will be discussed and repairs prioritized. All maintenance personnel will then be assigned to the areas of concern, and the areas identified to have road erosion problems will be repaired in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. All maintenance personnel will maintain an inspection log, and the Public Works Superintendent will maintain all repairs and dates completed. The status of the Road Erosion Control Maintenance Program will be included in the Annual Report and Recertification.

** A road erosion control maintenance log has been included.*

Street Sweeping Log

Date	Sweepings	# of Miles Swept	Approx. Amount Collected
	Location(s)		

Additional Information regarding shared services and outside contractors:

SPPP Form 13 – Stormwater Facility Maintenance

Municipality
Information

Municipality: Township of Ocean County County: Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/2/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Please describe your annual catch basin cleaning program and schedule. Attach a map/diagram or additional pages as necessary.

Since the Township of Ocean has less than 1,000 catch basins which it owns and maintains, all catch basins in the Township shall be inspected and cleaned as necessary each year. During inspection, all catch basins shall be reviewed for functionality and any necessary repairs made to the catch basin walls, pipe seals, and castings. The Township shall maintain records including the number of municipally owned and operated catch basins, the number of basins inspected, the number of basins cleaned, and the amount of materials collected during cleaning. This information shall be reported in the annual report and recertification.

** Catch basin cleaning logs have been included*

Please describe your stormwater facility maintenance program for cleaning and maintenance of all stormwater facilities operated by the municipality. Attach additional pages as necessary.

(NOTE: Attach a maintenance log containing information on any repairs/maintenance performed on stormwater facilities to ensure their proper function and operation.)

Stormwater Facility Maintenance Program:

The Township of Ocean Road Department will implement a stormwater facility maintenance program to ensure all stormwater facilities operated by the Township function properly. All stormwater facilities will be inspected annually and maintenance records kept. The Township operates the following stormwater facilities:

- * Catch Basins*
- * Storm Drains*
- * Retention Basins*
- * Detention Basins*

A list/map of retention/detention basins the Township is responsible for has been included.

Township of Ocean
Road Department Catch Basin Cleaning Log

2005

Sector Two

Location	Initials	# of Inlets	Cleaned	Repaired	Inspected	Labeled	Other	Comments
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/>	

SPPP Form 14 - Outfall Pipe Stream Scouring Remediation

Municipality
Information

Municipality: Township of Ocean County: Ocean

NJPDES #: NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Describe your stormwater outfall pipe scouring detection, remediation and maintenance program to detect and control active, localized stream and stream bank scouring. Attach additional pages as necessary.

(NOTE: Attach a prioritized list of sites observed to have outfall pipe stream and stream bank scouring, date of anticipated repair, method of repair and date of completion.)

Outfall Pipe Stream Remediation and Maintenance Program:

The Township of Ocean Road Department shall inspect all outfalls annually for illicit connections and at the same time review all banks adjacent to the outfalls for scouring. The maintenance program shall identify all areas where localized stream and bank scouring occurs as a result of stormwater discharges from the Township's MS4 outfalls. All sites will be placed on a prioritized list and repairs will be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey. The Township shall maintain records of all repairs including identifying the location of outfall scouring, the dates control measures are to begin, and the dates control measures were completed.

SPPP Form 15 – De-icing Material Storage

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

De-icing Material Storage

Describe how you currently store your municipality's de-icing materials, and describe your inspection schedule for the storage area. If your current storage practices do not meet the de-icing material storage SBR describe your construction schedule and your seasonal tarping interim measures. If you plan on sharing a storage structure, please include its location, as well as a complete list of all concerned public entities. If you store sand outdoors, describe how it meets the minimum standard.

De-icing Material Storage:

The Township of Ocean currently operates a salt storage dome, location at the DPW facility in accordance with the "Maintenance Yard Operations" SBR. Ocean's salt dome is a permanent structure with an impermeable floor.

Sand Storage:

All sand stored on Ocean Township Borough property maintains a 50' setback from any storm sewer inlet

Storage Area Inspections

Following the delivery of sand, Ocean Township DPW employees inspect the delivery location to maintain the above mentioned 50' setback. In addition, following heavy rain events and bulk salt deliveries, DPW employees inspect both salt and sand storage areas to ensure compliance with the SBR.

SPPP Form 16 – Standard Operating Procedures

Municipality Information	Municipality: <u>Township of Ocean County Ocean</u> NJPDES # : <u>NJG0150860</u> PI ID #: <u>207315</u> Team Member/Title: <u>Matthew Ambrosio, Stormwater Coordinator</u> Effective Date of Permit Authorization (EDPA): <u>4/1/2004</u> Date of Completion: <u>March 21, 2005</u> Date of most recent update: <u>June 25, 2020</u>
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BMP	Date SOP went into effect	Describe your inspection schedule
Fueling Operations (including the required practices listed in Attachment D of the permit)	<i>April 1, 2005</i>	<i>All fueling areas within the Township of Ocean will be inspected on a monthly basis. Collected stormwater inside of secondary containment areas will be inspected and documented prior to release into the environment.</i>
Vehicle Maintenance (including the required practices listed in Attachment D of the permit)	<i>April 1, 2005</i>	<i>Monthly inspections will be held to ensure compliance with the vehicle maintenance SOP.</i>
Good Housekeeping Practices (including the required practices listed in Attachment D of the permit) Attach inventory list required by Attachment D of the permit.	<i>April 1, 2005</i>	<i>Monthly inspections of all maintenance yards will be held to ensure compliance with the good housekeeping practices SOP.</i>

**Ocean Township
Road Department
Source Material Inventory**

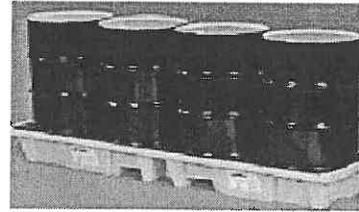
POTENTIAL SOURCE MATERIAL & SOURCE OPERATIONS	RECOMMENDATION	ADDRESSED IN SOP:
Metal Parts	<ul style="list-style-type: none"> • Store on platform and not on ground • Place in covered area 	Good Housekeeping
Dumpsters	<ul style="list-style-type: none"> • Construct/purchase cover for dumpsters • Where appropriate, keep lids closed when not in use 	Good Housekeeping
Vehicles at DPW	<ul style="list-style-type: none"> • Pave area where vehicles and other motor equipment are stored • Plows and other vehicle parts should be stored indoors to prevent rusting 	Good Housekeeping
Vehicle Fueling Area at Township Hall	<ul style="list-style-type: none"> • Keep spill kit nearby in case of spills during fuel delivery or fueling area 	Vehicle & Equipment Fueling
Used Tires	<ul style="list-style-type: none"> • Store indoors or construct a shed to keep materials covered 	Good Housekeeping; Vehicle Maintenance
ASTs at Township Hall	<ul style="list-style-type: none"> • Practice good housekeeping 	Good Housekeeping; Vehicle & Equipment Fueling

While the Ocean County Municipal Utilities Authority shares the same property at the DPW garage, the MUA is not subject to this plan. However, any shared equipment should be stored the same way as what is listed in this inventory.

OCEAN TOWNSHIP

STANDARD OPERATING PROCEDURES

GOOD HOUSEKEEPING



INTRODUCTION

This SOP contains the basic practices of good housekeeping to be implemented at maintenance yards including maintenance activities at ancillary operations in Ocean Township.

SCOPE

This SOP applies to all maintenance yards including maintenance activities at ancillary operations in Ocean Township.

STANDARDS AND SPECIFICATIONS (GENERAL)

- All containers should be properly labeled and marked, and the labels must remain clean and visible.
- All containers must be kept in good condition and tightly closed when not in use.
- When practical, chemicals, fluids and supplies should be kept indoors.
- Store materials such as grease, cleaners, and paints, materials in appropriate, labeled containers.
- Store batteries indoors whenever possible. If outdoors, batteries should be placed on an elevated surface and covered.
- Keep tires indoors or covered to prevent contact with rainwater.
- If containers are stored outside, they must be covered and placed on spill platforms.
- Keep storage areas clean and well organized.
- Spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.
- Absorbent spill clean-up materials must be available in maintenance areas and shall be disposed of properly after use.
- Place trash, dirt and other debris in the dumpster.
- Collect waste fluids in properly labeled containers and dispose of them properly.
- Inspect dumpsters and other waste containers periodically. Repair or replace leaky dumpsters and containers.
- Ensure that garbage dumpsters have covers, that covers are properly utilized, and that covers are maintained in working order.
- Gasoline, engine fluids, freon and other contaminated liquids must be drained from scrapped items in a designated area and disposed of or recycled properly before the items are placed in the scrap storage area.
- The waste oil storage area will be inspected daily to ensure there are no drips or spills.

STANDARDS AND
SPECIFICATIONS
(SALT AND DE-
ICING MATERIAL
HANDLING)

- During loading and unloading of salt and de-icing materials, prevent and/or minimize spills. If salt or de-icing materials are spilled, remove the materials using dry cleaning methods. All collected materials shall be either reused or properly discarded.
- Sweeping should be conducted as necessary to get rid of dirt and other debris. Sweeping should also be conducted immediately following loading/unloading activities, when practical.
- Minimize the tracking of materials from storage and loading/unloading areas.
- Minimize the distance that salt and de-icing materials are transported during loading/unloading activities.
- Any materials that are stored outside must be tarped when not actively being used.
- If interim seasonal tarping is being implemented, de-icing materials may be stored outdoors only between October 15th through April 30th.
- Uncovered clean sand storage will remain at a 50 foot setback from all stormwater conveyances.

SPILL RESPONSE
AND REPORTING

- Employees must be trained in spill cleanup procedures, and appropriate cleanup materials must be stocked near the fluid draining areas.
- Conduct clean up of any spill(s) immediately after discovery.
- Spills are to be cleaned using dry cleaning methods only.
- Contact the local response team at 609-693-4007 or 911.
- Contact the NJDEP Spill Hotline at 1-877-WARNDEP (1-877-927-6337).
- Contact the EJIF Hotline at 1800-289-6681

MAINTENANCE
AND INSPECTION

- Periodically check for leaks and damaged equipment and make repairs as necessary.
- Perform monthly inspections of all (indoor and outdoor if applicable) storage locations.

Ocean Township: 2007 Monthly Good Housekeeping SOP Compliance Inspections

MONTH	Include dates of inspection, problems observed, and corrections
January	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
February	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
March	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
April	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
May	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
June	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
July	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
August	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
September	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
October	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
November	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
December	<ul style="list-style-type: none">• Date:• Problems:• Corrections:

OCEAN TOWNSHIP

STANDARD OPERATING PROCEDURES

VEHICLE MAINTENANCE



INTRODUCTION

This SOP contains the basic practices of vehicle maintenance to be implemented at all maintenance yards including maintenance activities at ancillary operations in Ocean Township.

SCOPE

This SOP applies to all maintenance yards including maintenance activities at ancillary operations in Ocean Township.

STANDARDS AND SPECIFICATIONS

- Conduct vehicle maintenance operation only in designated areas.
- When possible, perform all vehicle and equipment maintenance at an indoor location with a paved floor.
- Always use drip pans.
- Absorbent spill clean-up materials shall be available in maintenance areas and shall be disposed of properly after use.
- Use portable tents or construct a roofing-device over long-term maintenance areas and for projects that must be performed outdoors.
- Do not dump or dispose oils, grease, fluids, and lubricants onto the ground.
- Do not dump or dispose of batteries, used oils, antifreeze and other toxic fluids into a storm drain watercourse.
- Cover all tires.
- Collect waste fluids in properly labeled containers and dispose of properly.

SPILL RESPONSE AND REPORTING

- Provide spill containment dikes or secondary containment around stored oils and other fluid storage drum(s).
- Conduct cleanups of any fuel spills immediately after discovery.
- Spills are to be cleaned using dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (e.g. kitty litter, sawdust, etc.) and the rest of the area is to be swept.
- Collected waste is to be disposed of properly.
- Contact the local response team at 609-693-4007 or 911.
- Contact the NJDEP Spill Hotline at 1-877-WARNDEP (1-877-927-6337).
- Contact the EJIF Hotline at 1800-289-6681

MAINTENANCE AND INSPECTION

- Periodically check for leaks and damaged equipment and make repairs as necessary.

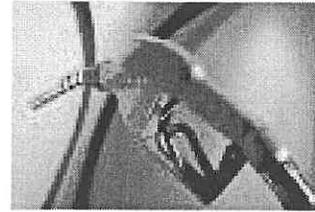
Ocean Township: 2007 Monthly Vehicle Maintenance SOP Compliance Inspections

MONTH	INCLUDE DATES OF INSPECTION, PROBLEMS OBSERVED AND CORRECTIONS
January	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
February	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
March	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
April	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
May	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
June	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
July	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
August	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
September	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
October	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
November	<ul style="list-style-type: none">• Date:• Problems:• Corrections:
December	<ul style="list-style-type: none">• Date:• Problems:• Corrections:

OCEAN TOWNSHIP

STANDARD OPERATING PROCEDURES

VEHICLE AND EQUIPMENT FUELING



INTRODUCTION

Vehicle and equipment fueling procedures and practices are designed to minimize pollution of surface or ground waters. Understanding the procedures for delivering fuel into vehicles, mobile fuel tanks, and storage tanks as well as the removal of waste oil is critical for this purpose.

SCOPE

This SOP applies to all maintenance yards including maintenance activities at ancillary operations in Ocean Township. Ocean Township currently owns and operates the following storage tanks: Two – 1,000-Gallon Aboveground Tanks at Municipal Building – one (1) Gasoline; one (1) Diesel.

STANDARDS AND SPECIFICATIONS (FOR VEHICLE AND EQUIPMENT FUELING)

- Shut the engine off
- Ensure that the fuel is the proper type of fuel
- Absorbent spill clean-up materials and spill kits shall be available in the fueling areas and on mobile fueling vehicles and shall be disposed of properly after use.
- Nozzles used in vehicles and equipment fueling shall be equipped with an automatic shut-off to prevent overfill
- Fuel tanks shall not be “topped off”
- Mobile fueling shall be minimized. Whenever practical, vehicles and equipment shall be transported to the designated fueling area in the maintenance yard.
- Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person(s) responsible for spill response.

STANDARDS AND SPECIFICATIONS (FOR BULK FUELING)

- Drip pans or absorbent pads shall be used under all hose and pipe connections and other leak-prone areas during bulk fueling
- Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel must be within the temporary berms during the loading/unloading of bulk fuels.
- Protect fueling areas with berms and/or dikes to prevent run-on, runoff, and to contain spills.
- A trained municipal employee must always be present to supervise during bulk transfer.

SPILL RESPONSE
AND REPORTING

- Conduct cleanups of any fuel spills immediately after discovery
- Uncontained spills are to be cleaned using dry, absorbent material (e.g. kitty litter, sawdust, etc.) and absorbent materials shall be swept up.
- Collected waste is to be disposed of properly
- Contact the local response team at 609-693-4007.
- Contact the NJDEP Spill Hotline at 1-877-WARNDEP (1-877-927-6337).
- Contact the EJIF Hotline at 1800-289-6681

MAINTENANCE AND
INSPECTION

- Fueling areas and storage tanks shall be inspected monthly.
- Keep an ample supply of spill cleanup material on-site.
- Any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair must be repaired or replaced immediately.

Ocean Township Garage: 2007 Monthly Fueling SOP Compliance Inspections

MONTH	Include dates of inspection, problems observed, and corrections
January	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
February	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
March	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
April	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
May	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
June	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
July	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
August	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
September	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
October	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
November	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:
December	<ul style="list-style-type: none">• Date:• Problems?:• Corrections:

SPPP Form 17 – Employee Training

Municipality
Information

Municipality: Township of Ocean County Ocean

NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Matthew Ambrosio, Stormwater Coordinator

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

Describe your employee training program. For each required topic, list the employees that will receive training on that topic, and the date the training will be held. Attach additional pages as necessary.

Employee Training Program:

Waste Disposal Education: Public Works

Municipal Ordinances: Code Enforcement, Police, Public Works, Township Clerk

Illicit Connection Elimination and Outfall Pipe Mapping: Public Works

Street Sweeping: Public Works

Stormwater Facility Maintenance: Public Works

Outfall Pipe Stream Scouring Remediation (including Ancillary Operations): Public Works

Maintenance Yard Operation (including Ancillary Operations): Public Works

Construction Activity/Post Construction Stormwater Management in New Development and Redevelopment: Code Enforcement, Public Works, Planning Board, Zoning Board, Redevelopment Committee

Development/Redevelopment Application Reviewer Training (every 5 years): Township Engineer and Board Engineers

All new employees of the Township shall receive training within 3 months of the start of their employment.

Annual training shall be provided for Municipal Yard Operations, Stormwater Facility Maintenance, and general SPPP training.

Training shall be provided every two years for Yard Waste Collection, Monthly Street Sweeping, Illicit Collection Elimination and Outfall Pipe Mapping, Outfall Pipe Stream Scouring Detection and Control, Improper Waste Disposal Education, Municipal Ordinances, and Construction Activity/Post Construction Stormwater management in new Development and Redevelopment.

SPPP Signature Page

Municipality
Information

Municipality: Township of Ocean County: Ocean

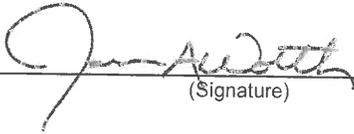
NJPDES # : NJG0150860 PI ID #: 207315

Team Member/Title: Jason A. Worth, P.E.

Effective Date of Permit Authorization (EDPA): 4/1/2004

Date of Completion: March 21, 2005 Date of most recent update: June 25, 2020

"I certify that this SPPP includes all of the information and items identified in Attachment A of the Tier A Municipal Stormwater General Permit. All attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for purposely, knowingly, recklessly, or negligently submitting false information."



(Signature)

June 25, 2020
(Date)

Jason A. Worth, P.E.
(Print Name)

Township Engineer
(Title)

(NOTE: A new SPPP signature page should be attached each time the SPPP is updated or modified, excluding data entries. Previous SPPP signature pages shall be retained as part of the SPPP.)

PART I
NARRATIVE REQUIREMENTS
Tier A Municipal Stormwater General Permit
Final - NJPDES Permit Renewal - Existing Permittee

A. Authorization Under this Permit

1. Permit Area

- a. This permit applies to all areas of the State of New Jersey.

2. Eligibility

- a. This permit may authorize all new and existing stormwater discharges to surface water and groundwater from small municipal separate storm sewer systems (MS4s) owned or operated by municipalities assigned to Tier A under N.J.A.C. 7:14A-25.3(a)1 (Tier A Municipalities), except as provided in A.5 below.
- b. On a case-by-case basis, the Department may use this permit to authorize new and existing stormwater discharges to surface water and groundwater from small MS4s (or portions of small MS4s) owned or operated by Tier B Municipalities. As used in this permit, the term "Tier A Municipality" includes Tier B Municipalities that seek or obtain authorization pursuant to this provision of this permit.
- c. After the Effective Date of Permit Authorization (EDPA), the permit authorizes the following new and existing non-stormwater discharges from small MS4s owned or operated by Tier A Municipalities:
- i. Water line flushing and discharges from potable water sources
 - ii. Uncontaminated ground water (e.g., infiltration, crawl space or basement sump pumps, foundation or footing drains, rising ground waters)
 - iii. Air conditioning condensate (excluding contact and non-contact cooling water)
 - iv. Irrigation water (including landscape and lawn watering runoff)
 - v. Flows from springs, riparian habitats and wetlands, water reservoir discharges and diverted stream flows
 - vi. Residential car washing water, and residential swimming pool discharges
 - vii. Sidewalk, driveway and street wash water
 - viii. Flows from fire fighting activities including the washing of fire fighting vehicles

- ix. Flows from rinsing of the following equipment with clean water:
 - Beach maintenance equipment immediately following their use for their intended purposes; and
 - Equipment used in the application of salt and de-icing materials immediately following salt and de-icing material applications. Prior to rinsing with clean water, all residual salt and de-icing materials must be removed from equipment and vehicles to the maximum extent practicable using dry cleaning methods (e.g., shoveling and sweeping). - Recovered materials are to be returned to storage for reuse or properly discarded.
 - Rinsing of equipment in the above situations is limited to exterior, undercarriage, and exposed parts and does not apply to engines or other enclosed machinery.
- d. If any of the discharges listed in 2.c above are identified by the municipality as a significant contributor of pollutants to or from the MS4, the Tier A Municipality must address the discharge as an illicit connection or as an improper disposal of waste as specified in Part I, Section F of this permit

3. Authorization

- a. In order to obtain authorization under this permit (except for automatic renewal of authorization under A.4 below) a complete Request for Authorization (RFA) shall be submitted in accordance with the requirements of this permit. Upon review of the RFA, the Department may, in accordance with N.J.A.C. 7:14A-6.13, either:
 - i. Issue notification of authorization under this permit, in which case, authorization is deemed effective the first day of the following month of the date of the notification of authorization;
 - ii. Deny authorization under this permit and require submittal of an application for an individual permit; or
 - iii. Deny authorization under this permit and require submittal of an RFA for another general permit.
- b. For discharges from a small MS4 authorized by this permit, the Tier A Municipality is exempt from N.J.A.C. 7:14A-6.2(a)2. This exemption means that the discharge of any pollutant not specifically regulated in the NJPDES permit or listed and quantified in the NJPDES application or RFA shall not constitute a violation of the permit.
- c. Authorization under this permit shall cease to be effective under N.J.A.C. 7:14A-6.13(f), (h), (j) and (o), where applicable.

4. Automatic Renewal of Authorization

- a. Authorization under this permit will be automatically renewed when this general permit is reissued as provided by N.J.A.C. 7:14A-6.13(d)9 and 25.4(a)3 so long as the discharge authorized under the general permit continues to be eligible. The Department shall issue a notice of renewed authorization to the Tier A Municipality.
- b. If the Tier A Municipality is aware of any information in the most recently submitted RFA that is no longer true, accurate, and/or complete, the Tier A Municipality shall provide the correct information to the Department within 90 days of the effective renewal authorization notice.

5. Stormwater Discharges Not Authorized

- a. This permit does not authorize "stormwater discharge associated with industrial activity" as defined in N.J.A.C. 7:14A-1.2. Types of facilities that a Tier A Municipality may operate and that are considered to be engaging in "industrial activity" include but are not limited to certain landfills and recycling facilities, certain transportation facilities (including certain local passenger transit and air transportation facilities), certain facilities handling domestic sewage or sewage sludge, steam electric power generating facilities, and construction activity that disturbs five acres or more (see N.J.A.C. 7:14A-1.2 for the full definition of "stormwater discharge associated with industrial activity"). Any municipality that operates an industrial facility with such a discharge must submit a separate request for authorization (RFA) or individual permit application for that discharge. An RFA submitted for the Tier A Municipal Stormwater General Permit does not qualify as an RFA for such a discharge.
 - i. Deadlines to apply for a NJPDES permit for "stormwater discharge associated with industrial activity" are set forth in N.J.A.C. 7:14A-24.4(a)1. If such a discharge is from a facility (other than an airport, powerplant, or uncontrolled sanitary landfill) that is owned or operated by a municipality with a population of less than 100,000, the municipality shall submit the RFA or individual permit application by March 3, 2004. If such a discharge is from any other industrial facility, N.J.A.C. 7:14A-24.4(a)1 specifies earlier deadlines to apply.
- b. This permit does not authorize "stormwater discharge associated with small construction activity" as defined in N.J.A.C. 7:14A-1.2. In general, this is the discharge to surface water of stormwater from construction activity that disturbs at least one but less than five acres (see N.J.A.C. 7:14A-1.2 for the full definition). Any municipality that operates a construction site with such a discharge must submit a separate RFA or individual permit application for that discharge. An RFA submitted for the Tier A Municipal Stormwater General Permit does not qualify as an RFA for such a discharge.
- c. This permit does not authorize any stormwater discharge that is authorized under another NJPDES permit. A municipality does not have to implement measures contained in this NJPDES permit for stormwater discharges at facilities owned or operated by that municipality that are regulated under a separate NJPDES stormwater permit authorizing those discharges.
- d. This permit does not authorize stormwater discharges from projects or activities that conflict with an adopted areawide or Statewide WQM plan.

B. Requests for Authorization Requirements

1. Deadline for Requesting Authorization for an Existing Discharge

- a. An RFA for the existing discharges from the small MS4 owned or operated by a Tier A Municipality must have been submitted to the Department on or before March 3, 2004, except as provided below.
 - i. If a municipality receives notice from the Department that it has been reassigned from Tier B to Tier A, or that a special designation is made under N.J.A.C. 7:14A-25.2(a)4, the deadline to submit an RFA is 180 days after the receipt of that notice, unless the Department approves a later date.
 - ii. The Department may, in its discretion, accept an RFA submitted after the foregoing deadline; however, the municipality may still be held liable for violating the deadline to apply in accordance with N.J.A.C. 7:14A-25.4 and for discharging pollutants without a valid NJPDES permit in accordance with N.J.A.C. 7:14A-2.1(d).

2. Deadline for Requesting Authorization for a New Discharge

- a. An RFA for discharges from a new small MS4 owned or operated by a Tier A Municipality must be submitted to the Department at least ninety (90) days prior to the operation of the new MS4 system.
 - i. A Tier A Municipality that already has authorization to discharge from a small MS4 under the Tier A Municipal Stormwater Permit does not need to submit an additional RFA for the expansion of an existing small MS4.
 - ii. A new small MS4 is a small MS4 that did not exist on March 3, 2004 and results in a new discharge to surface or ground waters of the State.

3. Requesting Authorization

- a. A separate RFA shall be submitted by each Tier A Municipality applying for authorization under this permit.
- b. A single RFA is required for the entire stormwater discharge from the small MS4 owned or operated by and located within a single municipality. Multiple RFAs are not required for multiple municipal operations (e.g., municipally owned and operated maintenance facilities, garages, and/or offices).

4. Contents of the Request for Authorization

- a. A completed RFA shall include all of the following information regarding the Tier A Municipality and shall be completed using the Department's RFA form:
 - i. The name of the municipality that operates the small MS4, county it is located in, and the address of the main municipal office (e.g., city hall, town hall, or municipal building).
 - ii. The name and mailing address of the Municipal Stormwater Program Coordinator who will submit any reports or certifications required by the permit and to whom the Department shall send all correspondence concerning the permit.
 - iii. A certification acknowledging the best management practices and measurable goals specified in the permit.
 - iv. Additional information may be required by the Department to be included as part of the RFA if the Department determines that such additional information (including other data, reports, specifications, plans, permits, or other information) is reasonably necessary to determine whether to authorize the discharge under this permit.

5. Where to Submit

- a. A completed and signed RFA shall be submitted to the Department at the address specified on the Department's RFA form.

C. Definitions

1. The following definitions apply to this permit.

- a. "Catch Basin" means a cistern, vault, chamber or well that is usually built along a street as part of the storm sewer system to capture sediment, debris, and pollutants.
- b. "EDPA" or "Effective Date of Permit Authorization" means the date the permittee's authorization to discharge under the Tier A Municipal Stormwater General Permit becomes effective. This date may be found on the permittee's Authorization to Discharge.

- c. "Existing Permittee" means a municipality that was authorized to discharge under the Tier A Municipal Stormwater General Permit on February 28, 2009.
- d. "Illicit connection" means any physical or non-physical connection that discharges the following to a municipal separate storm sewer system, unless that discharge is authorized under a NJPDES permit other than the NJPDES permit for discharges from that system (non-physical connections may include, but are not limited to, leaks, flows, or overflows into the municipal separate storm sewer system):
 - i. Domestic sewage;
 - ii. Non-contact cooling water, process wastewater, or other industrial waste (other than stormwater); or
 - iii. Any category of non-stormwater discharges that the Tier A Municipality identifies as a source or significant contributor of pollutants pursuant to 40 C.F.R. 122.34(b)(3)(iii).
- e. "MS4" means a municipal separate storm sewer system.
- f. "Municipality" means a "municipality" as defined in the Municipal Land Use Law at N.J.S.A. 40:55D-5, that is, any city, borough, town, township, or village.
- g. "Municipal separate storm sewer" means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, manmade channels, or storm drains):
 - i. Owned or operated by the United States, an interstate agency, a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe organization, or a designated and approved management agency under section 208 of the CWA that discharges to surface water or groundwater;
 - ii. Designed and used for collecting or conveying stormwater;
 - iii. Which is not a combined sewer;
 - iv. Which is not part of a POTW; and
 - v. Which is not either of the following:
 - A separate storm sewer(s) that is at an industrial facility, and that collects or conveys stormwater discharges associated with industrial activity that occurs at that facility; or
 - A separate storm sewer(s) that is at a construction site, and that collects or conveys stormwater discharges associated with small construction activity that occurs at that site.
- h. "New Permittee" means a municipality that obtains its first authorization to discharge under the Tier A Municipal Stormwater General Permit after February 28, 2009.
- i. "Original EDPA" means the initial date of the permittee's authorization to discharge under the Tier A (or, for purposes of F.4. below, Tier A or Tier B) Municipal Stormwater General Permit issued on February 2, 2004.

- j. "Permanent structure" means a permanent building or permanent structure that is anchored to a permanent foundation with an impermeable floor, and that is completely roofed and walled (a door is recommended, but not required). A fabric frame structure is a permanent structure if it meets the following specifications:
 - i. structure must be designed to withstand at least 110 mph winds;
 - ii. structure must be covered by a PVC or other similar fire rated material with a minimum twenty (20) year warranty;
 - iii. concrete blocks, jersey barriers or other similar material must be placed around the interior of the structure to protect the side walls during loading and unloading de-icing materials;
 - iv. the design must prevent stormwater run-on and run through;
 - v. structure must be erected on an impermeable slab;
 - vi. structure cannot be open sided; and
 - vii. must have a roll up door or other means of sealing the access way from wind driven rainfall.
- k. "Small municipal separate storm sewer system" or "small MS4" means all municipal separate storm sewers (other than "large" or "medium" municipal separate storm sewer systems as defined in N.J.A.C. 7:14A-1.2) that are:
 - i. Owned or operated by municipalities described under N.J.A.C. 7:14A-25.1(b);
 - ii. Owned or operated by county, State, interstate, or Federal agencies, and located at public complexes as described under N.J.A.C. 7:14A-25.2(a)2; or
 - iii. Owned or operated by county, State, interstate, or Federal agencies, and located at highways and other thoroughfares as described under N.J.A.C. 7:14A-25.2(a)3; or
 - iv. Owned or operated by county, State, interstate, Federal, or other agencies, and receive special designation under N.J.A.C. 7:14A-25.2(a)4.
- l. "Solid and floatable materials" means sediment, debris, trash, and other floating, suspended, or settleable solids.
- m. "Stormwater" means water resulting from precipitation (including rain and snow) that runs off the land's surface, is transmitted to the subsurface, is captured by separate storm sewers or other sewerage or drainage facilities, or is conveyed by snow removal equipment.
- n. "Stormwater facility" includes, but is not limited to: catch basins, detention basins, filter strips, riparian buffers, infiltration trenches, sand filters, constructed wetlands, wet basins, bioretention systems, low flow bypasses, and stormwater conveyances.
- o. "Yard waste" means loose leaves and grass clippings.

D. Special Conditions

1. Sharing of Responsibilities

- a. A Tier A Municipality may rely on another governmental, private, or nonprofit entity (for example, a watershed association) to satisfy the municipality's NJPDES permit obligations to implement one or more control measures (or components (s) thereof) pursuant to N.J.A.C. 7:14A-25.7(a) if:

- i. The other entity, in fact, implements the measure(s), or component(s) thereof;
- ii. The particular measure(s), or component(s) thereof, is at least as stringent as the corresponding NJPDES permit requirement;
- iii. The other entity agrees in writing (or is required by law) to implement the measure(s), or component(s) thereof, on the Tier A Municipality's behalf. The municipality is responsible for compliance with this permit if the other entity fails to implement the measure(s), or component(s) thereof. In the annual reports the municipality must submit under Part I, Section H.3, the municipality shall specify that it is relying on another entity to satisfy some of the Tier A Municipality's NJPDES permit obligations.
- iv. If the municipality is relying on another entity regulated under the NJPDES permit program to satisfy all of that Tier A Municipality's NJPDES permit obligations, including that municipality's obligation to file these annual reports, the municipality shall notify the Department of this reliance in writing, and shall also note this reliance in the municipality's SPPP.

E. Stormwater Program and Stormwater Pollution Prevention Plan

1. Stormwater Program

- a. Tier A Municipalities are required to develop, implement, and enforce a stormwater program. This program shall be designed to reduce the discharge of pollutants from the municipality's small MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Federal Act and the State Act by including the Statewide Basic Requirements (SBRs) set forth in Part I, Section F and any Additional Measures (AMs) required under Part I, Section G below. At the municipality's discretion, the stormwater program may also include Optional Measures (OMs) also in accordance with Part I, Section G below.

2. Stormwater Pollution Prevention Plan (SPPP)

- a. Tier A Municipalities have prepared and implemented a written Stormwater Pollution Prevention Plan (SPPP) that describes the Tier A Municipality's stormwater program and serves as the mechanism for the implementation of the Statewide Basic Requirements. The SPPP must address stormwater quality issues related to new development, redevelopment and existing development. The SPPP shall include, at a minimum, all of the information and items identified in Attachment A.
 - i. Tier A Municipalities shall revise their SPPP on or before June 1, 2009 to incorporate additional Statewide Basic Requirements, best management practices and other changes required by the renewal of the Tier A Permit.
- b. The SPPP shall be signed, dated and retained by the Municipal Stormwater Program Coordinator.
- c. For any projects or activities which the municipality contracts out to private contractors after the EDPA, the awarded contract must contain conditions that the contractor must conduct such projects or activities in such a manner that is in compliance with the municipality's SPPP and this permit's conditions. The municipality is responsible for any violations of this permit resulting from a contractor's noncompliance.
- d. SPPPs may be amended so long as they continue to meet the requirements of this permit. Any amended SPPPs shall be signed, dated, implemented, retained, and otherwise treated in the same manner as the original SPPP. The Tier A Municipality shall retain each previous SPPP for a period of at least five years from the date of that previous SPPP. This period may be extended by written request of the Department at any time.

F. Statewide Basic Requirements (SBRs)

1. **Stormwater quality issues related to new development, redevelopment and existing development are to be addressed through the implementation of the following Statewide Basic Requirements (SBRs). The permit specifies the BMPs that will be implemented for those SBRs. These SBRs and related BMPs are to be detailed in the municipality's SPPP.**
 - a. Additional information is provided and each of the SBRs and related BMPs are described in more detail in the Department's Tier A Municipal Stormwater Permit Guidance Document.
2. **Public Notice**
 - a. Minimum Standard - Tier A Municipalities shall comply with applicable State and local public notice requirements when providing for public participation in the development and implementation of the Tier A Municipality's stormwater program.
 - b. Measurable Goal - Tier A Municipalities shall certify annually that all applicable State and local public notice requirements were followed.
 - c. Implementation - On March 1, 2009 and thereafter.
3. **Post-Construction Stormwater Management in New Development and Redevelopment**
 - a. Minimum Standard - To prevent or minimize water quality impacts, the Tier A Municipality shall implement, and enforce a program to address stormwater runoff from new development and redevelopment projects (including projects operated by the municipality itself) that disturb one acre or more, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the municipality's small MS4. The municipality shall in its post-construction program:
 - i. Adopt and reexamine a municipal stormwater management plan (or adopt amendments to an existing municipal stormwater management plan) in accordance with N.J.A.C. 7:8-4.
 - ii. Adopt and implement a municipal stormwater control ordinance or ordinances in accordance with N.J.A.C. 7:8-4. The ordinance(s) will control stormwater from non-residential development and redevelopment projects.
 - iii. Ensure that any residential development and redevelopment projects that are subject to the Residential Site Improvement Standards for stormwater management (N.J.A.C. 5:21-7) comply with those standards (including any exception, waiver, or special area standard that was approved under N.J.A.C. 5:21-3).
 - iv. Where necessary to implement the municipal stormwater management plan, the municipal stormwater control ordinance(s) will also:
 - Control aspects of residential development and redevelopment projects that are not pre-empted by the Residential Site Improvement Standards; and
 - Set forth special area standards approved by the Site Improvement Advisory Board for residential development or redevelopment projects under N.J.A.C. 5:21-3.5.
 - v. Ensure adequate long-term operation and maintenance of BMPs.
 - vi. Enforce, through the stormwater control ordinance(s) or a separate ordinance, compliance with standards set forth in Attachment C of the permit to control passage of solid and floatable materials through storm drain inlets.

- vii. This post-construction program shall also require compliance with the applicable design and performance standards established under N.J.A.C. 7:8 for major development, unless:
 - Those standards do not apply because of a variance or exemption granted under N.J.A.C. 7:8; or
 - Alternative standards are applicable under an areawide or Statewide Water Quality Management Plan adopted in accordance with N.J.A.C. 7:15.
- b. Measurable Goal - Tier A Municipalities shall certify annually that that they have developed, implemented, and are actively enforcing a program to address stormwater runoff from new development and redevelopment projects that discharge into the Tier A Municipality's small MS4 in accordance with the minimum standard.
- c. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall:
 - i. Enforce stormwater control ordinance(s), prepared in accordance with N.J.A.C. 7:8-4, when approved by the county review agency (and, where N.J.A.C. 7:50-3 is applicable, certified by the Pinelands Commission) or shall enforce stormwater control ordinance(s) when conditionally approved by the county review agency upon adoption by the municipality of the amendments specified by the county review agency (and, where N.J.A.C. 7:50-3 is applicable, certified by the Pinelands Commission).
 - ii. Ensure that any residential new development and redevelopment projects that are subject to the Residential Site Improvement Standards for stormwater management (N.J.A.C. 5:21-7) comply with those standards (including any exception, waiver, or special area standard that was approved under N.J.A.C. 5:21-3).
 - iii. Ensure adequate long-term operation and maintenance of BMPs on property owned or operated by the municipality.
 - iv. Ensure adequate long-term operation and maintenance of BMPs on property not owned or operated by the municipality
 - v. Enforce, through the stormwater control ordinance(s) or a separate ordinance compliance with the standards set forth in Attachment C of the permit to control passage of solid and floatable materials through storm drain inlets for storm drain inlets not installed by the Tier A Municipality.
 - vi. Comply with the standards set forth in Attachment C of the permit to control passage of solid and floatable materials through storm drain inlets for storm drain inlets the municipality installs within the Tier A Municipality's small MS4.

4. Local Public Education

- a. Local Public Education Program - Tier A Municipalities shall implement a Local Public Education Program that focuses on providing the public with information on the impact of stormwater discharges to surface and ground waters of the State and steps that the public can take to reduce pollutants in stormwater runoff. Appropriate information to be covered during these educational activities shall include, but is not limited to, local stormwater related municipal ordinances [Pet Waste Ordinance, Litter Ordinance, Improper Disposal of Waste Ordinance, Wildlife Feeding Ordinance, Illicit Connection Ordinance, Refuse Container / Dumpster Ordinance, Private Storm Drain Inlet Retrofitting, and Fertilizer Management Ordinance (if applicable)]; proper application, storage and disposal of fertilizer and pesticides; home composting and yard waste recycling; use of native or well-adapted vegetation; local stream and/or shoreline restoration activities; watershed education; and general nonpoint source education.

- i. Minimum Standard - Tier A Municipalities shall annually conduct educational activities that total a minimum of 10 points. Each approved activity is listed and has been assigned a point value in Attachment E of the permit.
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that they have accumulated the number of points required to meet the Local Public Education Program minimum standard. Exact dates (e.g., month, day, year) and details of each educational activity (e.g., photos of the mural) shall be reported to the Department in the Annual Report.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall develop and begin implementing the Local Public Education Program minimum standard.
- b. Storm Drain Inlet Labeling and Maintenance
- i. Minimum Standard - Tier A Municipalities shall label all storm drain inlets along municipal streets with sidewalks, and all storm drain inlets within plazas, parking areas, or maintenance yards that are operated by the municipality, and maintain the legibility of those labels.
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that a storm drain inlet labeling program has been developed and is being implemented.
 - iii. Implementation - Within 60 months from the original EDPA and thereafter, Tier A Municipalities shall ensure, for the storm drains identified in the minimum standard, that all storm drain inlets have been labeled and that the labels are being maintained.

5. Improper Disposal of Waste

- a. Pet Waste Ordinance
- i. Minimum Standard - Tier A Municipalities shall have adopted and shall enforce an ordinance that requires pet owners or their keepers to immediately and properly dispose of their pet's solid waste deposited on any property, public or private, not owned or possessed by that person. Information on the Pet Waste Ordinance and the benefits of proper disposal of pet solid waste shall be distributed with pet licenses.
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that they have met the Pet Waste Ordinance minimum standard.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the Pet Waste Ordinance minimum standard.
- b. Litter Ordinance
- i. Minimum Standard - Tier A Municipalities shall have adopted and shall enforce a litter ordinance or enforce the existing State litter statute (N.J.S.A 13:1E-99.3).
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that they have met the Litter Ordinance minimum standard.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the Litter Ordinance minimum standard.
- c. Improper Disposal of Waste Ordinance
- i. Minimum Standard - Tier A Municipalities shall have adopted and shall enforce an ordinance prohibiting the improper spilling, dumping, or disposal of materials other than stormwater into the small MS4 (excluding those authorized in Part I, Section A.2.c).

- ii. Measurable Goal -Tier A Municipalities shall certify annually that they have met the Improper Waste Disposal Ordinance minimum standard.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the Improper Disposal of Waste Ordinance minimum standard.
- d. Wildlife Feeding Ordinance
- i. Minimum Standard -Tier A Municipalities shall have adopted and shall enforce an ordinance that prohibits the feeding in any public park or on any other property owned or operated by the Tier A Municipality of any wildlife (excluding confined animals, for example, wildlife confined in zoos, parks, or rehabilitation centers or unconfined wildlife at environmental education centers, or feral cats as part of an approved Trap-Neuter-Release (TNR) program).
 - ii. Measurable Goal -Tier A Municipalities shall certify annually that they have met the Wildlife Feeding Ordinance minimum standard.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the Wildlife Feeding Ordinance minimum standard.
- e. Yard Waste Ordinance / Collection Program
- i. Minimum Standard -Tier A Municipalities shall have adopted and shall enforce an ordinance that prohibits placing non-containerized yard wastes in the cartway of the street or shall have developed and implemented a yard waste collection and disposal program. A yard waste collection program shall include the adoption and enforcement of an ordinance prohibiting the placing of yard waste closer than 10 feet from any storm sewer inlet along the street, unless they are bagged or otherwise containerized. The frequency of pickups shall be determined at the discretion of the Tier A Municipality but must be part of a set yard waste collection schedule which is noticed to all municipal residents and businesses. Any area, which the municipality determines to have no yard waste, will be exempt from the collections.
 - ii. Measurable Goal -Tier A Municipalities shall certify annually that they have met the Yard Waste minimum standard. Tier A Municipalities that have chosen to implement the yard waste collection program must include the collection schedule dates in the annual report.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the Yard Waste Ordinance / Collection Program minimum standard.
- f. Refuse Container / Dumpster Ordinance
- i. Minimum Standard - Tier A Municipalities shall adopt and enforce an ordinance requiring dumpsters and other refuse containers that are outdoors or exposed to stormwater to be covered at all times and which prohibits the spilling, dumping, leaking, or otherwise discharge of liquids, semi-liquids or solids from the containers [excluding permitted temporary demolition containers, refuse containers at industrial facilities authorized to discharge stormwater under a valid NJPDES permit, litter receptacles, individual homeowner trash and recycling containers, and containers that hold large bulky items (e.g., furniture, bound carpet and padding) only].
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that they have met the Refuse Container Ordinance minimum standard.
 - iii. Implementation - Tier A Municipalities shall have adopted and begin enforcing the Refuse Container / Dumpster Ordinance minimum standard on or before September 1, 2010.
- g. Fertilizer Management Ordinance

- i. Minimum Standard - Tier A Municipalities identified in the adopted Non-Tidal Passaic River Basin Addressing Phosphorus Impairments TMDL shall adopt and enforce a fertilizer management ordinance, consistent with the model ordinance provided by the Department's Division of Watershed Management. (The list of municipalities required to adopt the ordinance is found in the adopted Non-Tidal Passaic River Basin Addressing Phosphorus Impairments TMDL and in Attachment F of this permit).
 - ii. Measurable Goal - Tier A Municipalities, identified in the adopted Non-Tidal Passaic River Basin Addressing Phosphorus Impairments TMDL and Attachment F of this permit, shall certify annually that they have met the Fertilizer Management Ordinance minimum standard.
 - iii. Implementation - Tier A Municipalities, identified in the adopted Non-Tidal Passaic River Basin Addressing Phosphorus Impairments TMDL and Attachment F of this permit, shall have fully implemented the Fertilizer Management Ordinance minimum standard on or before September 1, 2009.
- h. Private Storm Drain Inlet Retrofitting Ordinance
- i. Minimum Standard - Tier A Municipalities shall adopt and enforce an ordinance requiring the retrofitting of existing storm drain inlets to meet the standard in Attachment C of the permit which are in direct contact with repaving, repairing (excluding repair of individual potholes), reconstruction, resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen), or alterations of facilities on property not owned or operated by the municipality (except individual single family homes).
 - ii. Measureable Goal - Tier A Municipalities shall certify annually that they have met the Private Storm Drain Inlet Retrofitting Ordinance minimum standard.
 - iii. Implementation - Tier A Municipalities shall have adopted and begun enforcing the Private Storm Drain Inlet Retrofitting Ordinance minimum standard by September 1, 2010.

6. Illicit Connection Elimination and MS4 Outfall Pipe Mapping

- a. Minimum Standard
- i. Storm Sewer Outfall Pipe Mapping - Tier A Municipalities shall complete and maintain an outfall pipe map showing the location of the end of all MS4 outfall pipes owned and operated by the Tier A Municipality which discharge to a surface water body (e.g., a lake, ocean, or stream including an intermittent stream).
 - ii. Ordinance Prohibiting Illicit Connections - Each Tier A Municipality shall have adopted and shall enforce through appropriate enforcement procedures and actions an ordinance prohibiting illicit connections to the Tier A Municipality's small MS4.
 - iii. Illicit Connection Elimination Program - Tier A Municipalities must complete an initial physical inspection of all its outfall pipes and maintain an ongoing program to detect and eliminate illicit connections in accordance with the procedures found in Attachment B of the permit. The ongoing program will respond to complaints and reports of illicit connections, including those from operating entities of interconnected small MS4s, and continue to investigate dry weather flows discovered during routine inspections and maintenance of the small MS4.
- b. Measurable Goal
- i. Storm Sewer Outfall Pipe Mapping - Tier A Municipalities shall certify annually that an outfall pipe map has been completed in accordance with permit conditions, report the number of outfall pipes mapped within the reporting year, and the total number of outfall pipes mapped to date.

- ii. Tier A Municipalities shall certify in the annual report that an ordinance prohibiting illicit connections is in place and is being actively enforced.
- iii. Tier A Municipalities shall certify annually that an illicit connection elimination program has been developed in accordance with permit conditions to detect and eliminate illicit connections into the Tier A Municipalities' small MS4. Annual certifications shall also include the number of outfalls physically inspected, the number of outfalls found to have dry weather flow, the number of illicit connections found and the number of illicit connections eliminated. Copies of inspection reports shall be submitted with the annual certification for those outfalls found to have dry weather flow.

c. Implementation

- i. Storm Sewer Outfall Pipe Mapping - 60 months from the original EDPA, Tier A Municipalities shall have mapped the location of, and performed an initial physical inspection of, all outfall pipes subject to the minimum standard.
- ii. Ordinance Prohibiting Illicit Connections - On March 1, 2009 and thereafter, Tier A Municipalities shall an ordinance prohibiting illicit connections to the Tier A Municipality's small MS4.
- iii. Illicit Connection Elimination Program - 60 months from the original EDPA and thereafter, Tier A Municipalities shall continue to implement a program to detect and eliminate illicit connections into the Tier A Municipality's small MS4.

7. Solids and Floatable Controls

a. Monthly Sweeping of Certain Streets in Predominantly Commercial Areas

- i. Minimum Standard - Tier A Municipalities shall sweep, at a minimum of once per month (weather and street surface conditions permitting) all streets (including roads or highways) that meet all of the following criteria:
 - the street is owned or operated by the municipality;
 - the street is curbed and has storm drains;
 - the street has a posted speed limit of 35 mph or less;
 - the street is not an entrance or exit ramp; and
 - the street is in a predominantly commercial area.
- ii. Measurable Goal - Tier A Municipalities shall certify annually that they have met the Street Sweeping minimum standard. Tier A Municipalities must maintain records including the date and areas swept, number of miles of streets swept and the total amount of materials collected. Information shall be reported to the Department in the annual report and certification.
- iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement a street sweeping program that meets the minimum standard above.

b. Storm Drain Inlet Retrofitting

- i. Minimum Standard - Retrofitting of existing storm drain inlets to meet the standard contained in Attachment C of the permit is required when such inlets are owned or operated by the Tier A Municipality and are in direct contact with repaving, repairing (excluding repair of individual potholes), reconstruction, resurfacing (including top coating or chip sealing with asphalt emulsion or a thin base of hot bitumen), or alterations of facilities owned or operated by the Tier A Municipality.
For exemptions to this standard, refer to "Exemptions" in Attachment C.

- ii. Measurable Goal - Tier A Municipalities shall certify annually that such storm drain inlets have been retrofitted to meet the minimum standard contained in Attachment C, unless otherwise exempted. Tier A Municipalities must maintain records including the number and location of storm drain inlets retrofitted and number and location of storm drain inlets exempted. Information shall be reported to the Department in the annual report and certification.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall retrofit all such storm drain inlets in accordance with the Storm Drain Inlet Retrofitting minimum standard.
- c. Stormwater Facility Maintenance
- i. Minimum Standard - Tier A Municipalities shall continue to implement a stormwater facility maintenance program for cleaning and maintenance of all municipally owned and operated stormwater facilities. Stormwater facilities include, but are not limited to: catch basins, detention basins, filter strips, riparian buffers, infiltration trenches, sand filters, constructed wetlands, wet basins, bioretention systems, low flow bypasses, and stormwater conveyances. The stormwater facility maintenance must be performed as required to ensure the proper function and operation of the stormwater facility.
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that all municipally owned and operated stormwater facilities are properly functioning in accordance with the minimum standard. If stormwater facilities were found not to be functioning properly and repairs were not made, a schedule for such repairs shall be included in the annual report and certification. Tier A Municipalities shall also maintain records including the date(s) of inspections, maintenance, and description of repairs that were performed. This information shall be included with the annual report and certification.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall continue to implement a stormwater facility maintenance program in accordance with the minimum standard.
- d. Catch Basin Inspection and Cleaning
- i. Minimum Standard - Tier A Municipalities shall inspect all municipally owned and operated catch basins for accumulated sediment, trash, and debris; and clean those basins to remove sediment, trash, or debris (if any observed during inspection). Tier A Municipalities with:
 - less than 5,000 municipally owned and operated catch basins shall annually inspect and (to the extent noted above) clean at least 1,000 catch basins, or as many catch basins as the municipality owns and operates.
 - 5,000 or more municipally owned and operated catch basins shall inspect and (to the extent noted above) clean all catch basins by February 28, 2014.
 - ii. Measurable Goal - Tier A Municipalities shall certify annually that all municipally owned and operated catch basins have been inspected and cleaned, as necessary. Tier A Municipalities shall maintain records including the number of municipally owned and operated catch basins within the municipality, the number of catch basins inspected, the number of catch basins cleaned, and the amount of materials collected during catch basin cleaning activities. This information shall be reported in the annual report and certification.
 - iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall inspect and clean all catch basins in accordance with the Catch Basin Inspection and Cleaning minimum standard.
- e. Outfall Pipe Stream Scouring Remediation

- i. **Minimum Standard** - Tier A Municipalities shall maintain a stormwater outfall pipe scouring detection, remediation and maintenance program to detect and control localized stream and stream bank scouring in the vicinity of outfall pipes operated by the municipality. This program shall identify all areas where localized stream and bank scouring occurs as a result of stormwater discharges from the Tier A Municipality's MS4. These areas shall then be prioritized and repairs shall be scheduled and completed. Repairs shall be made in accordance with the Standards for Soil Erosion and Sediment Control in New Jersey at N.J.A.C. 2:90-1 (e.g., Conduit Outlet Protection 12-1).
- ii. **Measurable Goal** - Tier A Municipalities shall certify annually that they have met the Outfall Pipe Stream Scouring Remediation minimum standard. In addition, the Tier A Municipality shall list the location of outfall scouring identified, the dates control measures are to begin, and the dates any control measures were completed.
- iii. **Implementation** - On March 1, 2009 and thereafter, Tier A Municipalities shall continue to implement an outfall pipe stream scouring detection, remediation and maintenance program.

8. Maintenance Yard Operations (including maintenance activities at Ancillary Operations)

a. De-icing Material Storage

- i. **Minimum Standard** - Tier A Municipalities shall store salt, and other de-icing materials in a permanent structure. Tier A Municipalities shall perform regular maintenance and inspections of both the permanent structure and the surrounding area (see Good Housekeeping in Appendix D). Sand may be stored outside and uncovered if a 50-foot setback is maintained from storm sewer inlets, ditches or other stormwater conveyance channels, and surface water bodies.
- ii. **Measurable Goal** - Tier A Municipalities shall certify annually that they have met the De-icing Material Storage minimum standard.
- iii. **Implementation** - On March 1, 2009 and thereafter, Tier A Municipalities shall store salt, and other de-icing materials in accordance with the De-icing Material Storage minimum standard.

b. Equipment and Vehicle Washing

- i. **Minimum Standard** - Tier A Municipalities shall manage any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to the surface or ground waters of the State.
Tier A Municipalities shall maintain a record of where and when equipment and vehicle washing occurs to document proper management of wash water discharge.
- ii. **Measurable Goal** - Tier A Municipalities shall certify annually that there is no unpermitted discharge from vehicle and equipment washing activities and describe the BMP implemented at each of the locations where vehicle and equipment washing activities occur.
- iii. **Implementation** - On March 1, 2009 and thereafter, Tier A Municipalities shall manage any equipment and vehicle washing activities so that there are no unpermitted discharges of wash wastewater to the surface or ground waters of the State.

c. Standard Operating Procedures

- i. Minimum Standard - Tier A Municipalities shall implement standard operating procedures, which include the required practices listed in Attachment D, for each of the following activities:
 - Vehicle fueling and receiving of bulk fuel deliveries;
 - Vehicle maintenance and repair activities; and
 - Good housekeeping practices for all materials or machinery listed in the Inventory Requirements for Municipal Maintenance Yard Operations prepared in accordance with Attachment D.
- ii. Measurable Goal - Tier A Municipalities must certify annually that there are standard operating procedures in place for vehicle fueling, vehicle maintenance, and good housekeeping practices.
- iii. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall implement the required standard operating procedures.

9. Employee Training

- a. Minimum Standard - Tier A Municipalities shall conduct annual employee training to educate all municipal employees on those stormwater topics which are applicable to their job and title. At a minimum, annual employee training will include the following topics:
 - i. Waste Disposal Education - Training shall include how to respond to inquiries regarding proper waste disposal.
 - ii. Municipal Ordinances - Training shall include an overview of the Pet Waste Ordinance, Litter Ordinance, Illicit Connection Ordinance, Improper Waste Disposal Ordinance, Wildlife Feeding Ordinance, Refuse Container Ordinance, Yard Waste Ordinance (if applicable), Fertilizer Management Ordinance (if applicable), and the Private Storm Drain Inlet Retrofitting Ordinance, their requirements, enforcement policy, and hazards associated with improper waste disposal.
 - iii. Yard Waste Collection Program (if applicable) - Training shall include frequency of yard waste pickups and schedule, policy for when yard waste can be placed curbside, and alternatives such as composting and recycling.
 - iv. Illicit Connection Elimination and Outfall Pipe Mapping - Training shall include information regarding the hazards associated with illicit connections and details of the program including investigation techniques, physical observations, field sampling, and mapping procedures.
 - v. Monthly Sweeping of Certain Streets in Predominantly Commercial Areas - Training shall include sweeping schedules and record keeping requirements.
 - vi. Stormwater Facility Maintenance - Training shall include catch basin cleaning schedules and record keeping requirements.
 - vii. Outfall Pipe Stream Scouring Remediation - Training shall include identifying outfall pipe scouring and repairs.
 - viii. Maintenance Yard Operations (including Ancillary Operations) - Training shall include de-icing material storage, fueling, vehicle maintenance, equipment/vehicle washing and good housekeeping SOPs.
 - ix. Construction Activity / Post-Construction Stormwater Management in New Development and Redevelopment - Training shall include information regarding the requirement to obtain a NJPDES construction activity stormwater permit (see Part I, Section A.5.a and A.5.b of this permit) and requirements for Post-Construction Stormwater Management in New Development and Redevelopment (See Part I, Section F.3 of this permit) for the permittee's own construction activities and projects that disturb one acre or more.

- b. Measurable Goal - Tier A Municipalities must certify annually that employee training has been conducted and include the date(s) of the annual employee training(s) in the annual report and certification.
- c. Implementation - On March 1, 2009 and thereafter, Tier A Municipalities shall conduct an annual employee training program in accordance with the minimum standard.

10. Construction Site Stormwater Runoff Control

- a. Pursuant to N.J.A.C. 7:14A-25.6(b)2 and 25.7(b), the Department is responsible for developing, implementing, and enforcing a NJPDES permit program to reduce pollutants in stormwater runoff to small MS4s from construction activities. The Tier A Municipality is not required to include this SBR in its stormwater program or discuss this SBR in its SPPP.

G. Additional Measures and Optional Measures

1. Additional Measures

- a. Additional Measures (AMs) are non-numeric or numeric effluent limitations that are expressly required to be included in the stormwater program by an adopted areawide or Statewide Water Quality Management Plan (WQM plan). AMs may modify or be in addition to SBRs. AMs may be required by a TMDL approved or established by USEPA, a regional stormwater management plan, or other elements of adopted areawide or Statewide WQM plans.
- b. The Department will provide written notice of the adoption of an AM to each Tier A Municipality whose stormwater program will be affected, and will list each adopted AM in the permit by making a minor modification to the permit. The AMs, other than numeric effluent limitations, will specify the BMPs that must be implemented and the measurable goals for each BMP. The AMs will also specify time periods for implementation.

2. Optional Measures

- a. At the Tier A Municipality's discretion, the stormwater program may also include Optional Measures (OMs), which are BMPs that are not implemented for SBRs or AMs but that prevent or reduce the pollution of the waters of the State.

H. Deadlines and Certifications

1. Stormwater Pollution Prevention Plan

- a. On or before June 1, 2009, the Tier A Municipality shall revise their SPPP to incorporate changes required by the renewal of the Tier A Permit.
 - i. The SPPP shall include, at a minimum, all of the information and items identified in Attachment A. The SPPP shall be signed, dated and retained by the Tier A Municipality.

2. Statewide Basic Requirements

- a. Each SBR contained in Part I, Section F of the permit has a specific implementation schedule. Each SBR shall be implemented in accordance with that schedule. Tier A Municipalities shall certify in the Annual Report and Certification the status of the implementation of each SBR and the date implementation was completed, as appropriate.

- i. The Department may grant a six-month extension to the deadlines contained in an implementation schedule for any of the SBRs if the Tier A Municipality submits a written request for such extension, at least 30 days prior to the deadline, establishing to the Department's satisfaction that the Federal, State and local permits and approvals necessary for the construction of best management practices could not with due diligence be obtained within the time period set forth in Section F above. The written request shall be submitted to:
NJDEP
Division of Water Quality
Bureau of Nonpoint Pollution Control
Municipal Stormwater Regulation Program
P.O. Box 029
Trenton, NJ 08625-0029

3. Annual Report and Certification

- a. Tier A Municipalities shall complete an Annual Report (on a form provided by the Department) summarizing the status of compliance with this permit including measurable goals and the status of the implementation of each SBR contained in Part I, Section F of the permit. This report shall include a certification that the municipality is in compliance with its stormwater program, SPPP and this permit, except for any incidents of noncompliance. Any incidents of noncompliance with permit conditions shall be identified in the Annual Report and Certification. A copy of each Annual Report and Certification shall be kept at a central location and shall be made available to the Department for inspection.
 - i. If there are incidents of noncompliance, the report shall identify the steps being taken to remedy the noncompliance and to prevent such incidents from recurring.
 - ii. The Annual Report and Certification shall be signed and dated by the Tier A Municipality, and shall be maintained for a period of at least five years. This period may be extended by written request of the Department at any time.
- b. The Annual Report and Certification shall be submitted to the Department pursuant to the following submittal schedule:
 - i. Submit an Annual Report and Certification: on or before May 2nd annually.
 - ii. The Annual Report and Certification shall include information for activities and projects conducted by the municipality between January 1 and December 31 of each reporting year.

I. Standard Conditions

1. General Conditions Incorporated by Reference.

- a. The following general conditions are incorporated by reference. The Tier A Municipality is required to comply with the regulations, which were in effect as of March 1, 2009.
 - i. General Permits N.J.A.C. 7:14A-6.13
 - ii. Penalties for Violations N.J.A.C. 7:14-8.1 et seq.
 - iii. Incorporation by Reference N.J.A.C. 7:14A-2.3
 - iv. Toxic Pollutants N.J.A.C. 7:14A-6.2(a)4i
 - v. Duty to Comply N.J.A.C. 7:14A-6.2(a)1 & 4

- vi. Duty to Mitigate N.J.A.C. 7:14A-6.2(a)5 & 11
 - vii. Inspection and Entry N.J.A.C. 7:14A-2.11(e)
 - viii. Enforcement Action N.J.A.C. 7:14A-2.9
 - ix. Duty to Reapply N.J.A.C. 7:14A-4.2(e)3
 - x. Signatory Requirements for Applications and Reports N.J.A.C. 7:14A-4.9
 - xi. Effect of Permit/Other Laws N.J.A.C. 7:14A-6.2(a)6 & 7 & 2.9(c)
 - xii. Severability N.J.A.C. 7:14A-2.2
 - xiii. Administrative Continuation of Permits N.J.A.C. 7:14A-2.8
 - xiv. Permit Actions N.J.A.C. 7:14A-2.7(c)
 - xv. Reopener Clause N.J.A.C. 7:14A-6.2(a)10, 16.4(b) & 25.7(b)
 - xvi. Permit Duration and Renewal N.J.A.C. 7:14A-2.7(a) & (b)
 - xvii. Consolidation of Permit Process N.J.A.C. 7:14A-15.5
 - xviii. Confidentiality N.J.A.C. 7:14A-18.2 & 2.11(g)
 - xix. Fee Schedule N.J.A.C. 7:14A-3.1
 - xx. UIC Corrective Action N.J.A.C. 7:14A-8.4
 - xxi. Additional Conditions Applicable to UIC Permits N.J.A.C. 7:14A-8.9
 - xxii. UIC Operating Criteria N.J.A.C. 7:14A-8.16
- b. Operation and Maintenance
- i. Need to Halt or Reduce not a Defense N.J.A.C. 7:14A-2.9(b)
 - ii. Proper Operation and Maintenance N.J.A.C. 7:14A-6.12
- c. Monitoring and Records
- i. Monitoring N.J.A.C. 7:14A-6.5
 - ii. Recordkeeping N.J.A.C. 7:14A-6.6
 - iii. Signatory Requirements for Monitoring Reports N.J.A.C. 7:14A-6.9
- d. Reporting Requirements
- i. Planned Changes N.J.A.C. 7:14A-6.7
 - ii. Reporting of Monitoring Results N.J.A.C. 7:14A-6.8
 - iii. Noncompliance Reporting N.J.A.C. 7:14A-6.10 & 6.8(h)

- iv. Hotline/Two Hour & Twenty-four Hour Reporting N.J.A.C. 7:14A-6.10(c) & (d)
 - v. Written Reporting N.J.A.C. 7:14A-6.10(e) & (f) & 6.8(h)
 - vi. Duty to Provide Information N.J.A.C. 7:14A-2.11, 6.2(a)14 & 18.1
 - vii. Compliance Schedules N.J.A.C. 7:14A-6.4
 - viii. Transfer N.J.A.C. 7:14A-6.2(a)8 & 16.2
- e. Copies of the NJPDES rules may be purchased by contacting Lexis Nexis - Customer Service at (800) 223-1940, or go to the Lexis Nexis bookstore on the internet at www.lexisnexis.com/bookstore.

J. Additional Conditions

1. Agency and Public Review

- a. The Tier A Municipality shall make the SPPP available upon request to an authorized representative of the Department and to the owner of and operating entity for any municipal separate storm sewer system that receives discharges from the Tier A Municipality's small MS4.
- b. Upon review by an authorized representative, the Department may notify the Tier A Municipality at any time that the SPPP does not meet one or more of the minimum requirements. Within 30 days after receiving such notification (unless otherwise specified by the Department), the SPPP shall be amended to adequately address all deficiencies, and written certification of such amendments shall be submitted to the Department.
- c. Tier A Municipalities shall make records required by this permit, including its SPPP, available to the public at reasonable times during regular business hours (see N.J.A.C. 7:14A-18 for confidentiality provisions).

2. Other Laws

- a. In accordance with N.J.A.C. 7:14A-6.2(a)7, this permit does not authorize any infringement of State or local law or regulations, including, but not limited to the Pinelands rules (N.J.A.C. 7:50), N.J.A.C. 7:1E (Department rules entitled "Discharges of Petroleum and other Hazardous Substances"), the New Jersey Register of Historic Places Rules (N.J.A.C. 7:4), and all other Department rules. No discharge of hazardous substances (as defined in N.J.A.C. 7:1E-1.6) resulting from an onsite spill shall be deemed to be "pursuant to and in compliance with [this] permit" within the meaning of the Spill Compensation and Control Act at N.J.S.A. 58:10-23.11c.

3. Operations and Maintenance Manual

- a. In accordance with N.J.A.C. 7:14A-6.12(c), for a discharge authorized by this permit, the Tier A Municipality is exempt from the requirement to prepare an operations and maintenance manual.

Attachment A

Contents of the Stormwater Pollution Prevention Plan

A. SPPP Team

1. The Stormwater Pollution Prevention Plan (SPPP) shall identify the person or persons responsible for implementing or coordinating the SPPP activities (including at the Tier A Municipality's discretion, OMs).

B. Description of Required Best Management Practices

1. The SPPP shall identify and discuss each Statewide Basic Requirement (SBR) and best management practice (BMP) required by the Tier A Municipal Stormwater General Permit.
2. The SPPP shall identify and discuss each Additional Measure (AM), if any, required by the Tier A Municipal Stormwater General Permit.
3. The SPPP shall identify and discuss any Optional Measures (OMs) the Tier A Municipality chooses to include in its stormwater program.
4. For each SBR, AM, or OM included in the Tier A Municipality's stormwater program, the SPPP shall:
 - a. Describe the method of implementation;
 - b. Include detailed record keeping, as appropriate or as required;
 - c. Include an implementation schedule consistent with permit requirements, including interim milestones;
 - d. Include any special diagrams required by the permit (i.e., Storm Drain Inlet Labeling and Illicit Connection Elimination and MS4 Outfall Pipe Mapping);
 - e. Sharing responsibilities (If the Tier A Municipality wants to share responsibilities for implementing one or more control measures (other than OMs) with one or more other entities pursuant to N.J.A.C. 7:14A-25.7(a), the SPPP must describe which measure(s) the Tier A Municipality will implement, and identify the entity(ies) that will implement the other measure(s));
 - f. Include maintenance schedules, as appropriate; and
 - g. Include inspection schedules, as appropriate.
5. Identifying Areas Served by Combined Sewer
 - a. Tier A Municipalities that want to exclude any "combined sewer area" from the stormwater program must include a map showing the boundaries of the combined sewer area. A "combined sewer area" is an area that is excluded because all stormwater from that area (and operated by the municipality) is discharged to combined (or sanitary) sewer systems.

Attachment B

Procedures for Detecting, Investigating, and Eliminating Illicit Connections

Detection

An illicit connection for the purposes of this permit, is any physical or non-physical connection that discharges domestic sewage, non-contact cooling water, process wastewater, or other industrial waste (other than stormwater) to the Tier A Municipality's small MS4, unless that discharge is authorized under a NJPDES permit other than this Tier A Municipal Stormwater General Permit (non-physical connections may include, but are not limited to, leaks, flows, or overflows into the municipal separate storm sewer system). An illicit connection is also any category of non-stormwater discharges that a Tier A Municipality identifies as a source or significant contributor of pollutants pursuant to 40 C.F.R. 122.34(b)(3)(iii).

MS4 outfall pipes, for the most part, should not be discharging during substantial dry periods (72 hours after a rain event). Such flow is frequently referred to as "dry weather flow", which may be the result of an illicit connection. All dry weather flows are generally non-stormwater discharges, however not all dry weather flows are illicit connections. Some non-stormwater flows result from the improper disposal of waste (e.g., radiator flushing, engine degreasing, improper disposal of oil) and some may be the result of allowable discharges such as residential car washing, irrigation runoff, permitted (NJPDES) discharges and natural waters (e.g., spring water and groundwater infiltration). By using the Department's Illicit Connection Inspection Report form and making physical observations, a Tier A Municipality will compile information that will help determine if the dry weather flow is an illicit connection and the most likely source of the illicit connection. After making these physical observations, additional chemical field testing will enable a Tier A Municipality to further narrow the potential source(s) of the illicit connection.

The first physical observation is to observe if there is a dry weather flow. Some dry weather discharges are continuously flowing and some are intermittent. Observations will allow the Tier A Municipality to establish with reasonable certainty if there is an intermittent flow. If there are indications of intermittent flows (staining, odors, deterioration of outfall structure) follow-up investigations are required (see Investigation section). An estimate of the flow rate of the discharge shall also be noted (flow rate can be estimated by various methods, including timing how long it takes to fill a container of a known size). Additional physical observations and measurements shall be made for odor, color, turbidity, floatable matter, temperature, deposits and stains, vegetation and algal growth and condition of outfall structure (see Illicit Connection Inspection Report form). Information compiled from physical observations and field monitoring should be used to help identify potential sources. These observations are very important since they are the simplest method of identifying grossly contaminated dry weather flows. If physical observations alone are sufficient to warrant further investigation, then field testing is not required.

If a dry weather flow exists, and after making all physical observations (unless physical observations are enough to warrant further investigation), the Tier Municipality shall field test for surfactants (detergents). If these flows contain surfactants in excess of the detection limit, Tier A Municipalities shall field test for ammonia (as N) and potassium to help distinguish sanitary wastewater sources from other non-stormwater flows that contain detergents. Non-stormwater discharges that are absent of surfactants shall be tested for fluoride to help distinguish potable from non-potable sources. Municipalities should refer to the Tier A Stormwater General Permit Guidance Manual for assistance and interpretation of field testing results.

All of the tests for the tracing of illicit connections may be performed in the field by employees of the Tier A Municipality or may be contracted out. Lab certification for those parameters is not required, however all person(s) responsible for calibrating, maintaining, and taking field samples shall be trained in the use of the equipment and appropriate field testing protocol.

Investigation

Any storm sewer outfall pipe found during the initial inspection or on any subsequent inspection to have a non-stormwater discharge or indications of an intermittent non-stormwater discharge requires further investigation by the Tier A Municipality to identify and locate the specific source. Non-stormwater discharges suspected of being sanitary sewage and/or significantly contaminated shall be prioritized and investigated first. Investigations of non-stormwater discharges suspected of being cooling water, washwater, or natural flows may be delayed until after all suspected sanitary sewage and/or significantly contaminated discharges have been investigated, eliminated and/or resolved.

Dry weather flows believed to be an immediate threat to human health or the environment shall be reported immediately to the Department's Action Hotline at 1-877-WARNDEP (1-877-927-6337).

Physical observations and field testing can help narrow the identification of potential sources of a non-stormwater discharge. However it is unlikely that either will pinpoint the exact source. Therefore, Tier A Municipalities will need to perform investigations "upstream" to identify illicit connections to systems with identified problem outfalls.

All non-stormwater discharges, whether continuous or intermittent must be investigated by the Tier A Municipality. All investigations must be resolved. If the source is found to be a non-stormwater discharge authorized under Part I, Section A.2.c of the permit, no further action is required. If a non-stormwater discharge is found but no source is able to be located within six (6) months of beginning the investigation, then the Tier A Municipality shall submit to the Department a Closeout Investigation form to close out the investigation. The Tier A Municipality must document that a good faith effort was made to find the source of the dry weather discharge and document each phase of the investigation. If the observed discharge is intermittent the Tier A Municipality must document, in the Illicit Connection Inspection Report form, that a minimum three (3)

separate investigations were made to observe the discharge when it is flowing. If these attempts are unsuccessful, the Tier A Municipality shall submit to the Department the Closeout Investigation form noted above. However, since this is an ongoing program, the Tier A municipality should periodically recheck these suspected intermittent discharges.

Elimination

Non-stormwater discharges traced to their source and found to be illicit connections subject to the ordinance prohibiting illicit connections shall be eliminated. At the time the illicit connection is detected the responsible party shall be cited for violation of the municipal ordinance prohibiting illicit connections and given thirty (30) days to cease the non-stormwater discharge. The responsible party may apply for a NJPDES permit for the discharge, but the discharge shall be ceased until a valid NJPDES permit has been issued by the Department. Tier A Municipalities are required to verify that the illicit discharge was eliminated by the responsible party within the specified timeframe and ensure that measures taken to eliminate the discharge are permanent and are not done in such a manner that would allow easy reconnection to the MS4.

When a responsible party fails to eliminate the discharge, Tier A Municipalities shall take the necessary steps to enforce their ordinance, including court action. In such instances the Department shall be notified by written correspondence so it is aware of any pending action and is able to provide assistance if needed.

If an illicit connection cannot be located or is found to emanate from another public entity, Tier A Municipalities must submit to the Department a written explanation detailing the results of the investigation and notify that public entity.

Attachment C

Design Standard - Storm Drain Inlets

This standard applies to storm drain inlets installed as part of new development and redevelopment projects (public or private) that disturb one acre or more. In addition, retrofitting of existing storm drain inlets to this standard is required where such inlets are in direct contact with repaving, repairing (excluding repair of individual potholes), reconstruction or alterations of facilities owned or operated by the Tier A Municipality. For exemptions to this standard see "Exemptions" below.

Grates in Pavement or Other Ground Surfaces

Design engineers shall use either of the following grates whenever they use a grate in pavement or another ground surface to collect stormwater from that surface into a storm drain or surface water body under that grate:

1. The New Jersey Department of Transportation (NJDOT) bicycle safe grate, which is described in Chapter 2.4 of the NJDOT Bicycle Compatible Roadways and Bikeways Planning and Design Guidelines (April 1996).
2. A different grate, if each individual clear space in that grate has an area of no more than seven (7.0) square inches, or is no greater than 0.5 inches across the smallest dimension.

(In regard to whether the different grate must also be bicycle safe, the Residential Site Improvement Standards include requirements for bicycle-safe grates.)

Examples of grates subject to this standard include grates in grate inlets, the grate portion (non-curb-opening portion) of combination inlets, grates on storm sewer manholes, ditch grates, trench grates, and grates of spacer bars in slotted drains. Examples of ground surfaces include surfaces of roads (including bridges), driveways, parking areas, bikeways, plazas, sidewalks, lawns, fields, open channels, and stormwater basin floors.

Curb-Opening Inlets (Including Curb-Opening Inlets in Combination Inlets)

Whenever design engineers use a curb-opening inlet, the clear space in that curb opening (or each individual clear space, if the curb opening has two or more clear spaces) shall have an area of no more than seven (7.0) square inches, or be no greater than two (2.0) inches across the smallest dimension.

Exemptions

Retrofitting Exemptions

1. Repaving, repairing, reconstruction or alterations projects that began construction prior to March 3, 2004, and projects that were awarded bid prior to March 3, 2004, are exempted from the storm drain inlet design standard.
2. Existing curb-opening inlets do not need to be retrofitted to meet the design standard if each individual clear space in the curb opening has an area of no more than nine (9.0) square inches.

Hydraulic Performance Exemptions

1. New Development and Redevelopment Projects - Where the review agency determines that this standard would cause inadequate hydraulic performance that

could not practicably be overcome by using additional or larger storm drain inlets that meet these standards.

2. Retrofitting of existing storm drain inlets - Where the review agency determines that this standard would cause inadequate hydraulic performance.

Alternative Device Exemptions

1. Where flows from the water quality design storm as specified in N.J.A.C. 7:8 are conveyed through any device (e.g., end of pipe netting facility, manufactured treatment device, or a catch basin hood) that is designed, at a minimum, to prevent delivery of all solid and floatable materials that could not pass through one of the following:
 - a. A rectangular space four and five-eighths inches long and one and one-half inches wide (this option does not apply for outfall netting facilities); or
 - b. A bar screen having a bar spacing of 0.5 inches.
2. Where flows are conveyed through a trash rack that has parallel bars with one-inch (1") spacing between the bars, to the elevation of the water quality design storm as specified in N.J.A.C. 7:8.

Note - The preceding exemptions do not authorize any infringement of requirements in the Residential Site Improvement Standards for bicycle-safe grates in new residential development (N.J.A.C. 5:21-4.18(b)2 and 7.4(b)1).

Historic Places Exemption

1. Where the Department determines, pursuant to the New Jersey Register of Historic Places Rules at N.J.A.C. 7:4-7.2(c), that action to meet this standard is an undertaking that constitutes an encroachment or will damage or destroy the New Jersey Register listed historic property.

Attachment D
Required Practices for Fueling Operations, Vehicle Maintenance, and Good Housekeeping SBRs

The following BMPs must be implemented at maintenance yards including maintenance activities at ancillary operations (for example, impound yards, solid waste transfer stations, mobile fueling), where applicable, operated by Tier A Municipalities:

A. Inventory Requirements for Municipal Maintenance Yard Operations (including Ancillary Operations)

1. Tier A Municipalities shall include for municipal maintenance yard operations an inventory that includes the following:
 - a. A list to be made part of the SPPP of general categories of all materials or machinery located at the municipal maintenance yard, which could be a source of pollutants in a stormwater discharge. The materials in question include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; machinery and fuels; and lubricants, solvents, and detergents that are related to the municipal maintenance yard operations or ancillary operations. Materials or machinery that are not exposed to stormwater or that are not located at the municipal maintenance yard or related to its operations do not need to be included.

B. Fueling

1. No topping off vehicles, mobile fuel tanks, and storage tanks. Drip pans must be used under all hose and pipe connections and other leak-prone areas during bulk transfer of fuels.
2. Block storm sewer inlets, or contain tank trucks used for bulk transfer, with temporary berms or temporary absorbent booms during the transfer process. If temporary berms are being used instead of blocking the storm sewer inlets, all hose connection points associated with the transfer of fuel must be within the temporary berms during the loading/unloading of bulk fuels. A trained employee must always be present to supervise during bulk fuel transfer.
3. Clearly post, in a prominent area of the facility, instructions for safe operation of fueling equipment, and appropriate contact information for the person(s) responsible for spill response.
4. Any equipment, tanks, pumps, piping and fuel dispensing equipment found to be leaking or in disrepair must immediately be repaired or replaced.

C. Vehicle Maintenance

1. Perform all vehicle and equipment maintenance at an indoor location with a paved floor whenever possible. For projects that must be performed outdoors that last more than one day, portable tents or covers must be placed over the equipment being serviced when not being worked on, and drip pans must be used.

D. General Good Housekeeping

1. Properly mark or label all containers. Labels must be kept clean and visible. All containers must be kept in good condition and tightly closed when not in use. When practical, containers must be stored indoors. If indoor storage is not practical, containers may be stored outside as long as they are covered and placed on spill platforms. An area that is graded and/or bermed that prevents run-through of stormwater may be used in place of spill platforms. Outdoor storage locations must be regularly maintained.
2. Conduct cleanups of any spills or liquids or dry materials immediately after discovery. Clean all maintenance areas with dry cleaning methods only. Spills shall be cleaned up with a dry, absorbent material (i.e., kitty litter, sawdust, etc.) and the rest of the area is to be swept. Collected waste is to be disposed of properly. Clean-up materials, spill kits and drip pans must be kept near any liquid transfer areas, protected from rainfall.

E. Good Housekeeping Practices for Salt and De-icing Material Handling

1. The SPPP for De-icing Material Storage shall include the following required practices to ensure that Municipal Maintenance Yard Operations prevent or minimize the exposure of salt and de-icing materials to stormwater runoff from storage, loading and unloading areas and activities:
 - a. Prevent and/or minimize the spillage of salt and de-icing materials during loading and unloading activities.
 - b. At the completion of loading and unloading activities, spilled salt and de-icing materials shall be removed using dry cleaning methods and either reused or properly discarded.
 - c. Sweeping by hand or mechanical means of storage and loading/unloading areas shall be done on a regular basis. More frequent sweeping is required following loading/unloading activities. Sweeping shall also be conducted immediately following, as practicable, loading/unloading activities.
 - d. Tracking of materials from storage and loading/unloading areas shall be minimized.
 - e. Minimize the distance salt and de-icing materials are transported during loading/unloading activities.
2. Interim Seasonal Tarping - All Tier A Municipalities must tarp all de-icing materials until a permanent structure is built. Interim storage measures must include, but are not limited to the following:
 - a. Tarping materials that are not actively being used.
 - b. The storage of de-icing materials (salt and de-icing products) outside is limited to October 15th through April 30th. All salt and de-icing materials must be removed from the site prior to May 1st and may not be stored outside again until October 15th.

- c. The implementing of a regular inspection, sweeping and housekeeping program to ensure that the material is maintained and stored in a proper manner.

F. Inspections

1. Inspections of all Municipal Maintenance Yard Operations shall be conducted regularly.
2. Discharge of Stormwater from Secondary Containment
 - a. The discharge pipe/outfall from a secondary containment area must have a valve and the valve must remain closed at all times except as described below. A municipality may discharge stormwater that accumulated in the secondary containment area if a visual inspection is performed to ensure that the contents of aboveground storage tank have not come in contact with the stormwater to be discharged. Visual inspections are only effective when dealing with materials that can be observed, like petroleum. If the contents of the tank are not visible in stormwater, the municipality must rely on previous tank inspections to determine with some degree of certainty that the tank has not leaked. If the municipality cannot make a determination with reasonable certainty that the stormwater in the secondary containment area is uncontaminated by the contents of the tank, then the stormwater shall be hauled for proper disposal.

Attachment E
Local Public Education Approved Activities and Point Totals

A. Tier A Municipalities shall conduct educational activities that total a minimum of 10 points annually. Each approved activity is listed below with an assigned point value.

1. **School Presentations** - Present educational classes/assemblies to local elementary, middle, and/or high school classes. (1 point per visit / maximum of 5 points per year)
2. **Website** – Maintain a stormwater related page on the municipal website and include a link to www.cleancleanwaternj.org. (1 point)
3. **Stormwater Display** – Present a stormwater related display and materials at any municipal event (e.g., Earth Day, town picnic) or maintain a display at the municipal building (2 points)
4. **Giveaway** – Distribute an item with a stormwater related message (e.g., refrigerator magnets, temporary tattoos, bookmarks, coloring books, and pens or pencils). Municipality must purchase a minimum number of the item equal to 10% of the municipal population. (2 points)
5. **Citizen Stormwater Advisory Committee** – Establish a subcommittee to the Environmental Commission to identify, coordinate and implement stormwater related programs. (2 points)
6. **Utilize Department Materials** - Use Department created stormwater education materials, which can be found on www.cleancleanwaternj.org to publish an ad in a newspaper that serves the municipality; broadcast a radio or television commercial on a local radio or municipal public service channel; produce a billboard or sign which can be displayed on a bus, bus stop shelter, or at a recreation field (outfield sign). (2 points each / maximum of 4 points per year)
7. **Poster Contest** – Organize a poster contest with a local school district. Poster themes shall have an appropriate stormwater message. Posters are to be displayed at buildings within the municipality such as at the town hall, library, or school. (2 points)
8. **Stormwater Training for Elected Municipal Officials** – Conduct a program for all elected municipal officials which educates them on the Stormwater Management Rules (N.J.A.C. 7:8), Tier A Permit and what steps the municipality has already taken to minimize stormwater pollution. (3 points)
9. **Mural** – Facilitate the planning and painting of a stormwater pollution themed mural at a local downtown/commercial area. (3 points)
10. **Mailing** – Distribute any of the Department’s educational brochures, tip cards, or a municipally produced equivalent (e.g, calendar, recycling schedule), to every resident and business in the municipality. (3 points)
11. **Partnership Agreement / Local Event** - Identify and enter into a partnership

agreement with a local group such as a watershed organization, Riverkeeper, school, youth/faith based group and/or other nonprofit to carry out a minimum of two (2) watershed stewardship/education activities (e.g., litter march, stream/beach cleanup). (3 points)

12. Ordinance Education – Distribute a letter from the mayor to every resident and business in the municipality highlighting the requirements and environmental benefits of the Pet Waste, Litter, Improper Disposal of Waste, Wildlife Feeding, Yard Waste, Illicit Connection, Refuse Container, and Private Storm Drain Inlet Retrofitting Ordinances. This letter/article must also reference a page on the municipal website (if applicable) to which residents can go to read these ordinances. (5 points)

* Posting these ordinances does not constitute the development of a website referenced above.

Attachment F
**MUNICIPALITIES AFFECTED BY THE TMDL FOR THE “NON-TIDAL
PASSAIC RIVER BASIN ADDRESSING PHOSPHORUS IMPAIRMENTS”**

Bergen County

Elmwood Park Borough	Fair Lawn Borough	Franklin Lakes Borough
Garfield City	Glen Rock Borough	Mahwah Township
Midland Park Borough	Oakland Borough	Ramsey Borough
Ridgewood Village	Waldwick Borough	Wycoff Township

Essex County

Caldwell Borough	Cedar Grove Township	Essex Fells Borough
Fairfield Township	Livingston Township	Millburn Township
Montclair Township	North Caldwell Borough	Roseland Borough
Verona Township	West Caldwell Township	West Orange Township

Morris County

Butler Borough	Boonton Town	Boonton Township
Denville Township	Chatham Borough	Chatham Township
Hanover Township	East Hanover Township	Florham Park Borough
Long Hill Township	Kinnelon Borough	Lincoln Park Borough
Mendham Township	Madison Borough	Mendham Borough
Morris Township	Montville Township	Morris Plains Borough
Parsippany-Troy Hills	Morristown Town	Mountain Lakes Borough
Riverdale Borough	Pequannock Township	Randolph Township

Passaic County

Bloomington Borough	Clifton City	Haledon Borough
Hawthorne Borough	Little Falls Township	North Haledon Borough
Paterson City	Pompton Lakes Borough	Prospect Park Borough
Ringwood Borough	Totowa Borough	Wanaque Borough
Wayne Township	West Milford Township	West Paterson Borough

Somerset County

Bernards Township	Bernardsville Borough	Bridgewater Township
Warren Township		

Union County

Berkeley Heights Twp.	New Providence Borough	Summit City
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M-310-109



State of New Jersey

James E. McGreevey
Governor

Department of Environmental Protection
Bureau of Nonpoint Pollution Control
Division of Water Quality
P.O. Box 029
Trenton, N.J. 08625-0029
Tel: 609-633-7021, 292-0407
FAX: 609-984-2147
www.state.nj.us/dep/dwq/nonpoint.htm

Bradley M. Campbell
Commissioner

03/25/2004

RECEIVED

MAR 31 2004

ALAIMO GROUP
MT. HOLLY NEW JERSEY

Richard A. Alaimo
Ocean Twp
50 Railroad Ave
Waretown, NJ 08758

Re: R9 -Tier A Municipal Stormwater General Permit
NJPDES: NJG0150860 / PI ID #: 207315
Ocean Twp
Ocean County

Dear Richard A. Alaimo:

Enclosed please find your municipality's Authorization to Discharge (Authorization) under the New Jersey Pollutant Discharge Elimination System (NJPDES) Tier A Municipal Stormwater General Permit NJ0141852 (Tier A Permit), and a copy of the final permit. The "Effective Date" on the enclosed Authorization, 04/01/2004, is your municipality's "Effective Date of Permit Authorization" (EDPA) under this final permit. The implementation schedules contained in the final permit are based on your municipality's EDPA.

A unique NJPDES permit number NJG0150860 has been assigned for your municipality's authorization under the Tier A Permit. In any future correspondence or inquiries, please use or refer to that NJPDES permit number.

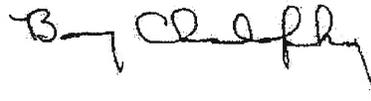
The enclosed final permit includes some technical corrections and changes to the advance copy that the Department of Environmental Protection (Department) mailed to your municipality in late January. Please replace the advance copy with the official final permit contained in this mailing. Also enclosed with this mailing is a summary of these technical corrections and changes.

A compact disk (CD) that contains guidance for the Tier A Permit and the informational brochure for the Local Public Education Program will be mailed to you under separate cover. The guidance will have blank and completed example Stormwater Pollution Prevention Plan (SPPP) forms to assist your municipality in preparing its SPPP. The CD will also contain other guidance including courtesy copies of the amended NJPDES Stormwater rules (N.J.A.C. 7:14A) and Stormwater Management rules (N.J.A.C.7:8), model ordinances, the New Jersey Stormwater Best Management Practices Manual, and additional educational materials supplied by the Department's Division of Watershed Management.

If any information about your municipality in this letter or the enclosed Authorization (i.e., mailing address, Municipal Stormwater Program Coordinator, etc.) is incorrect or has changed or changes in the future, please contact the Bureau of Nonpoint Pollution Control for an Administrative Update Form.

The Department appreciates your efforts toward accomplishing the goal of providing cleaner water for our State and looks forward to working together with you in the future. If you have any questions please contact Tosin Sekoni at the Bureau of Nonpoint Pollution Control at (609) 633-7021, or (609) 292-0407.

Sincerely,

A handwritten signature in black ink, appearing to read "Barry Chalofsky". The signature is written in a cursive style with a horizontal line underlining the name.

Barry Chalofsky, P.P., Chief
Bureau of Nonpoint Pollution Control

Enclosures: (3)

Authorization to Discharge
NJPDES General Permit No. NJ0141852
Summary of technical corrections and changes

C: (w/AUTHORIZATION Form): NJDEP Water Compliance and Enforcement Region Office



Bureau of Nonpoint Pollution Control
Division of Water Quality
PO Box 029
Trenton, NJ 08625-0029
Phone: (609) 633-7021
Fax: (609) 984-2147

AUTHORIZATION TO DISCHARGE
R9 -Tier A Municipal Stormwater General Permit

Facility Name:

PI ID #: 207315

Ocean Twp

Facility Address:

NJPDES #: NJG0150860

50 RAILROAD AVE
OCEAN TWP, NJ 08758-8818

Type of Activity: Stormwater Discharge General Permit Authorization New

Owner:

Ocean Twp
50 Railroad Ave
Waretown, NJ 08758

Operating Entity:

Ocean Twp
50 Railroad Ave
Waretown, NJ 08758

Issuance Date:

03/25/2004

Effective Date:

04/01/2004

Expiration Date:

02/28/2009

Your Request for Authorization under NJPDES General Permit No. NJ0141852 has been approved by the New Jersey Department of Environmental Protection.

Date: 03/25/2004

Barry Chalofsky, P.P., Chief
Bureau of Nonpoint Pollution Control
Division of Water Quality
New Jersey Department of Environmental Protection



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

Permit Number: NJ0141852

P.I. ID #50577

Final: Tier A Municipal Stormwater Master General Permit

Permittee:

Division Of Water Quality
401 E State Street
Trenton, New Jersey 08625

Co-Permittee:

Property Owner:

Location Of Activity:

NJPDES Master General Permit Program
Interest
401 E State Street
Trenton, New Jersey 08625

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
R9 -Tier A Municipal Stormwater General Permit	02/02/2004	03/03/2004	02/28/2009

By Authority of:
Commissioner's Office


DEP AUTHORIZATION
Barry Chalofsky, P.P., Chief
Bureau of Nonpoint Pollution Control
Division of Water Quality

(Terms, conditions and provisions attached hereto)